Canon

EOS 6D

EOS 6D (WG)
EOS 6D (N)

The EOS 6D (N) does not have the Wi-Fi and GPS functions explained in this manual.

Basic Instruction Manual

This basic manual covers only the most basic operations.
For other features and more details, see the
Camera Instruction Manual pdf file in the CD-ROM.

E

Introduction

The EOS 6D (WG/N) is high-performance, digital single-lens reflex camera featuring a full-frame (approx. 35.8 x 23.9 mm) CMOS sensor with approx. 20.2 effective megapixels, DIGIC 5+, high-precision and high-speed 11-point AF, approx. 4.5 fps continuous shooting, Live View shooting, Full High-Definition (Full HD) movie shooting, Wi-Fi*, and GPS*.
The camera is highly responsive to any shooting situation at any time, provides many features for demanding shots, and expands shooting possibilities with various system accessories.
* The EOS 6D (N) does not have the Wi-Fi and GPS functions.

Refer to This Manual while Using the Camera to Further Familiarize Yourself with the Camera

With a digital camera, you can immediately view the image you have captured. While reading this manual, take a few test shots and see how they come out. You can then better understand the camera.
To avoid botched pictures and accidents, first read the “Safety Warnings” (p.138, 139) and “Handling Precautions” (p.12, 13).

Testing the Camera Before Use and Liability

After shooting, play images back and check whether they have been properly recorded. If the camera or memory card is faulty and the images cannot be recorded or downloaded to a computer, Canon cannot be held liable for any loss or inconvenience caused.

Copyrights

Copyright laws in your country may prohibit the use of your recorded images or copyrighted music and images with music in the memory card for anything other than private enjoyment. Also be aware that certain public performances, exhibitions, etc., may prohibit photography even for private enjoyment.

Compatible Cards

The camera can use the following cards regardless of capacity:

- SD memory cards
- SDHC memory cards*
- SDXC memory cards*

* UHS-I cards compatible.

Cards that Can Record Movies

When shooting movies, use a large-capacity card with a fast reading/writing speed as shown in the table.

Compression Method (p.116)	**Card**
IPB	6 MB/sec. or faster
ALL-I (I-only)	20 MB/sec. or faster

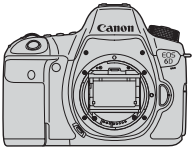
- If you use a slow-writing card when shooting movies, the movie may not be recorded properly. Also, if you play back a movie on a card with a slow reading speed, the movie may not play back properly.
- If you want to shoot still photos while shooting a movie, you will need an even faster card.
- To check the card's reading/writing speed, refer to the card manufacturer's Web site.

In this manual, "card" refers to SD memory cards, SDHC memory cards, and SDXC memory cards.

* **The camera does not come with a card for recording images/movies.** Please purchase it separately.

Item Check List

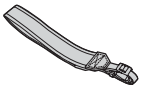
Before starting, check that all the following items have been included with your camera. If anything is missing, contact your dealer.



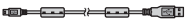
Camera
(with body cap)

Battery Pack
LP-E6
(with protective cover)

Battery Charger
LC-E6/LC-E6E*



Wide Strap
EW-EOS6D



Interface Cable IFC-200U

Stereo AV Cable
AVC-DC400ST

* Battery Charger LC-E6 or LC-E6E is provided. (The LC-E6E comes with a power cord.)

- The Instruction Manuals and CD-ROMs provided are listed on the next page.
- If you purchased a Lens Kit, check that the lenses are included.
- Depending on the Lens Kit type, lens instruction manuals may also be included.
- Be careful not to lose any of the above items.

Instruction Manuals and CD-ROMs

The instruction manuals are provided in both paper and electronic (PDF) forms.

Camera Basic Instruction Manual
(this booklet)

Wi-Fi (Basic)**/ GPS Function Instruction Manual***

Pocket Guide

Wi-Fi/GPS Cautions*

* Not provided with the EOS 6D (N).

The Basic Instruction Manual explains the basic procedures and features. For detailed instructions, see the Camera Instruction Manual CD-ROM.

Camera Instruction Manual CD-ROM
Contains the following manuals in PDF:
- Camera Instruction Manual (Detailed version)
- Wi-Fi Function Instruction Manual (Detailed version)

Software Instruction Manual CD-ROM
Contains Instruction Manuals in PDF for the software in the Software CD-ROM.

* Instructions for viewing the Instruction Manual CD-ROMs are on pages 128 and 135.

Software CD-ROM (EOS DIGITAL Solution Disk)
Contains software for image-editing and other programs. For outlines and installation procedure of the software, see pages 132-134.

Conventions Used in this Manual

Icons in this Manual

<☼>	: Indicates the Main Dial.
<◯>	: Indicates the Quick Control Dial.
<✣> <▲▼> <◄►>	: Indicates the Multi-controller and the push direction.
<(SET)>	: Indicates the Setting button.
⏱4, ⏱6, ⏱10, ⏱16	: Indicates that the corresponding function remains active for 4 sec., 6 sec., 10 sec., or 16 sec. respectively after you let go of the button.

* In this manual, the icons and markings indicating the camera's buttons, dials, and settings correspond to the icons and markings on the camera and on the LCD monitor.

MENU : Indicates a function that can be changed by pressing the <MENU> button and changing the setting.

☆ : When shown on the upper right of a page, it indicates that the function is available only in the Creative Zone modes (p.20).

(p.**) : Reference page numbers for more information.

: Warning to prevent shooting problems.

: Supplemental information.

: Tips or advice for better shooting.

? : Problem-solving advice.

Basic Assumptions

- All operations explained in this manual assume that the power switch has been set to <ON> and the <LOCK▶> switch has been set to the left (Multi function lock released) (p.30, 43).
- It is assumed that all the menu settings and Custom Functions are set to their defaults.
- The illustrations in this manual show the camera attached with an EF50mm f/1.4 USM lens as an example.

Chapters

For first-time DSLR users, Chapters 1 and 2 explain the camera's basic operations and shooting procedures.

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Handling Precautions

Camera Care

- This camera is a precision instrument. Do not drop it or subject it to physical shock.
- The camera is not waterproof and cannot be used underwater. If you accidentally drop the camera into water, promptly consult the nearest Canon Service Center. Wipe off any water droplets with a dry cloth. If the camera has been exposed to salty air, wipe it with a well-wrung wet cloth.
- Never leave the camera near anything having a strong magnetic field such as a magnet or electric motor. Also avoid using or leaving the camera near anything emitting strong radio waves such as a large antenna. Strong magnetic fields can cause camera misoperation or destroy image data.
- Do not leave the camera in excessive heat such as in a car in direct sunlight. High temperatures can cause the camera to malfunction.
- The camera contains precision electronic circuitry. Never attempt to disassemble the camera yourself.
- Do not block the mirror operation with your finger, etc. Doing so may cause a malfunction.
- Use a blower to blow away dust on the lens, viewfinder, reflex mirror, and focusing screen. Do not use cleaners that contain organic solvents to clean the camera body or lens. For stubborn dirt, take the camera to the nearest Canon Service Center.
- Do not touch the camera's electrical contacts with your fingers. This is to prevent the contacts from corroding. Corroded contacts can cause camera misoperation.
- If the camera is suddenly brought in from the cold into a warm room, condensation may form on the camera and internal parts. To prevent condensation, first put the camera in a sealed plastic bag and let it adjust to the warmer temperature before taking it out of the bag.
- If condensation forms on the camera, do not use the camera. This is to avoid damaging the camera. If there is condensation, remove the lens, card and battery from the camera, and wait until condensation has evaporated before using the camera.
- If the camera will not be used for an extended period, remove the battery and store the camera in a cool, dry, well-ventilated location. Even while the camera is in storage, press the shutter button a few times once in a while to check that the camera is still working.
- Avoid storing the camera where there are chemicals that result in rust and corrosion such as in a chemical lab.
- If the camera has not been used for an extended period, test all its functions before using it. If you have not used the camera for some time or if there is an important shoot such as a foreign trip coming up, have the camera checked by your Canon dealer or check the camera yourself and make sure it is working properly.

LCD Panel and LCD Monitor

- Although the LCD monitor is manufactured with very high precision technology with over 99.99% effective pixels, there may be a few dead pixels displaying only black or red, etc. among the remaining 0.01% or less pixels. Dead pixels are not a malfunction. They do not affect the images recorded.
- If the LCD monitor is left on for a prolonged period, screen burn-in may occur where you see remnants of what was displayed. However, this is only temporary and will disappear when the camera is left unused for a few days.
- The LCD monitor display may seem slow in low temperatures, or look black in high temperatures. It will return to normal at room temperature.

Cards

To protect the card and its recorded data, note the following:

- Do not drop, bend, or wet the card. Do not subject it to excessive force, physical shock, or vibration.
- Do not touch the card's electronic contacts with your fingers or anything metallic.
- Do not affix any stickers, etc., on the card.
- Do not store or use the card near anything having a strong magnetic field such as a TV set, speakers, or magnet. Also avoid places prone to having static electricity.
- Do not leave the card in direct sunlight or near a heat source.
- Store the card in a case.
- Do not store the card in hot, dusty, or humid locations.

Lens

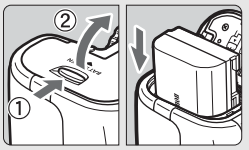
After detaching the lens from the camera, put down the lens with the rear end up and attach the lens caps to avoid scratching the lens surface and electrical contacts.

Cautions regarding Prolonged Use

If you use continuous shooting, Live View shooting, or movie shooting for a prolonged period, the camera may become hot. Although this is not a malfunction, holding the hot camera for a long period can cause slight skin burns.

Quick Start Guide

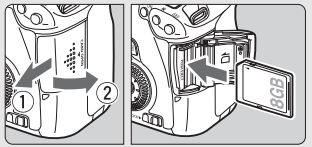
1



Insert the battery (p.26)**.**

- To charge the battery, see page 24.

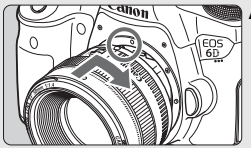
2



Insert a card (p.27)**.**

- With the card's label facing toward the back of the camera, insert it into the card slot.

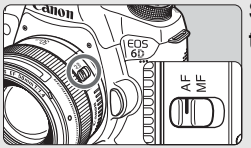
3



Attach the lens (p.35)**.**

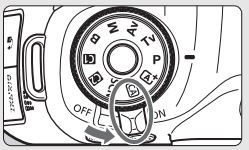
- Align it with the red dot.

4



Set the lens focus mode switch to <AF> (p.35)**.**

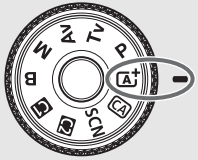
5



Set the power switch to <ON> (p.30)**.**

- When the LCD monitor displays the date/time/zone setting screens, see page 32.

6



While holding down the center of the Mode Dial, set it to <A+> (Scene Intelligent Auto) (p.58)**.**

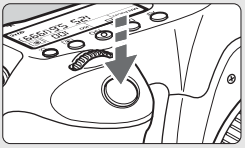
- All the necessary camera settings will be set automatically.

7

Focus the subject (p.40)**.**

- Look through the viewfinder and aim the viewfinder center over the subject.
- Press the shutter button halfway, and the camera will focus the subject.

8



Take the picture (p.40)**.**

- Press the shutter button completely to take the picture.

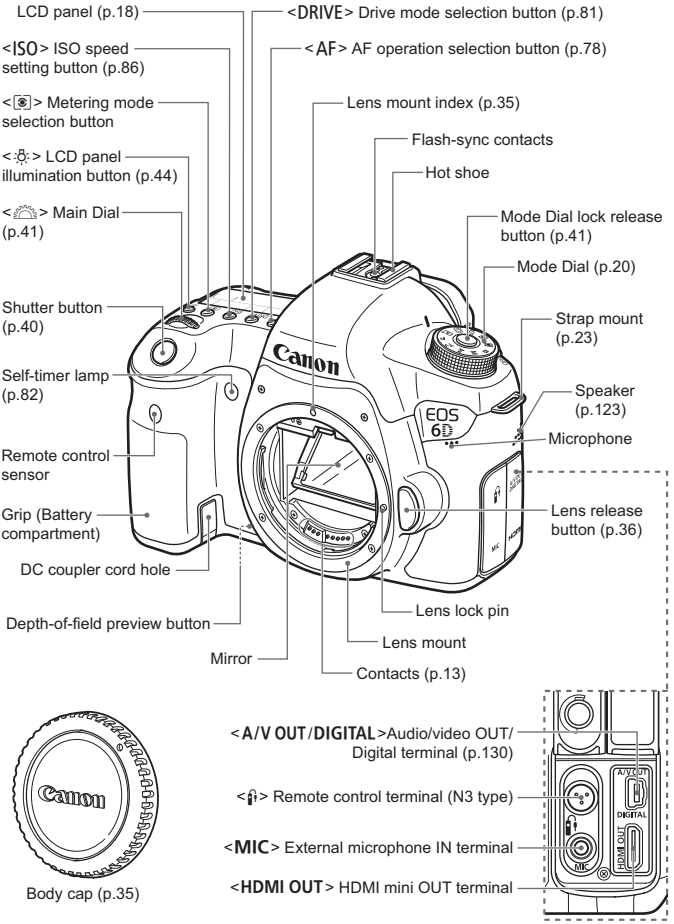
9

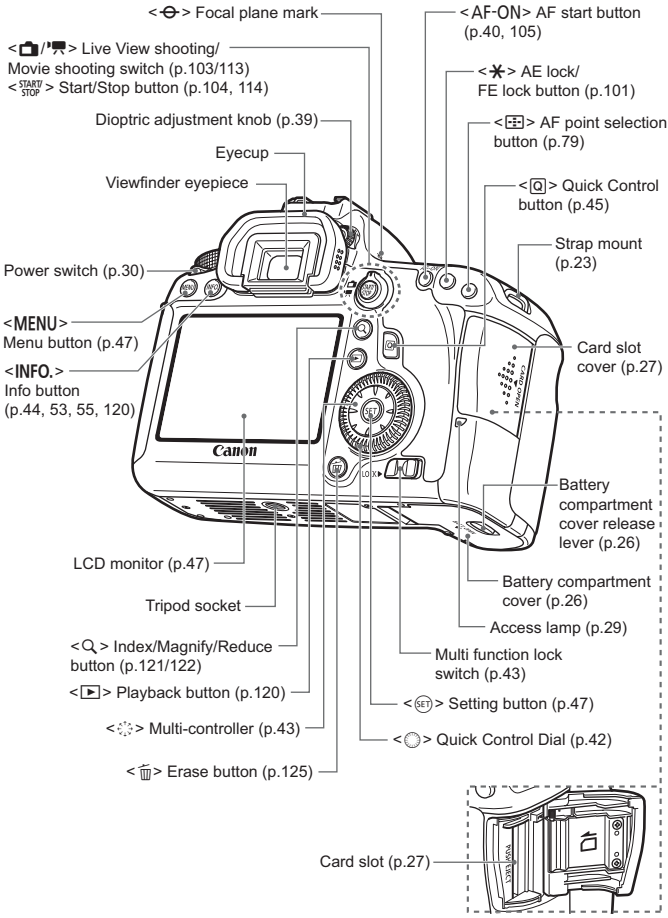
Review the picture (p.51)**.**

- The captured image will be displayed for 2 sec. on the LCD monitor.
- To display the image again, press the <▶> button (p.120).

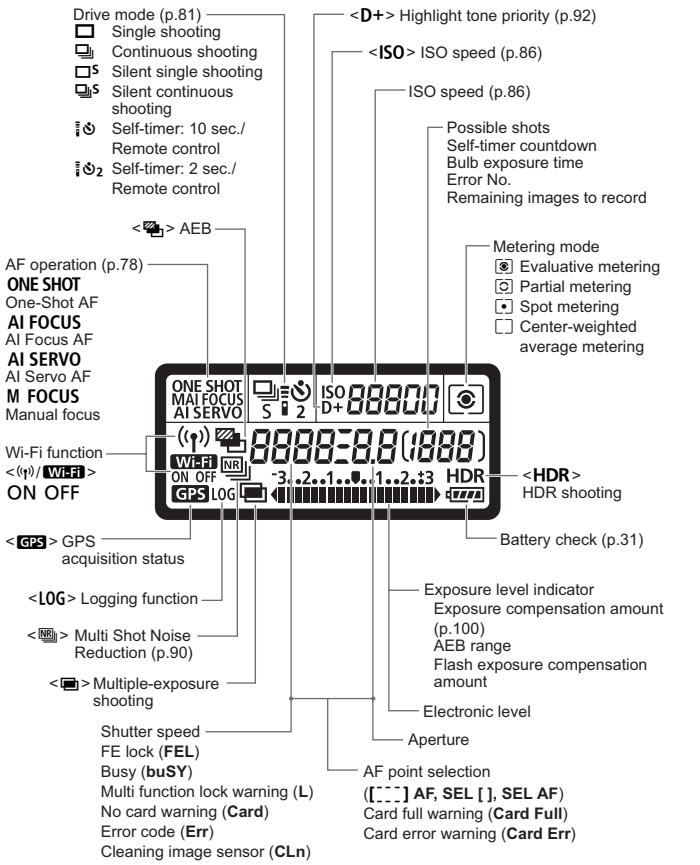
- To shoot while looking at the LCD monitor, see “Live View Shooting” (p.103).
- To view the images captured so far, see “Image Playback” (p.120).
- To delete an image, see “Erasing Images” (p.125).

Nomenclature



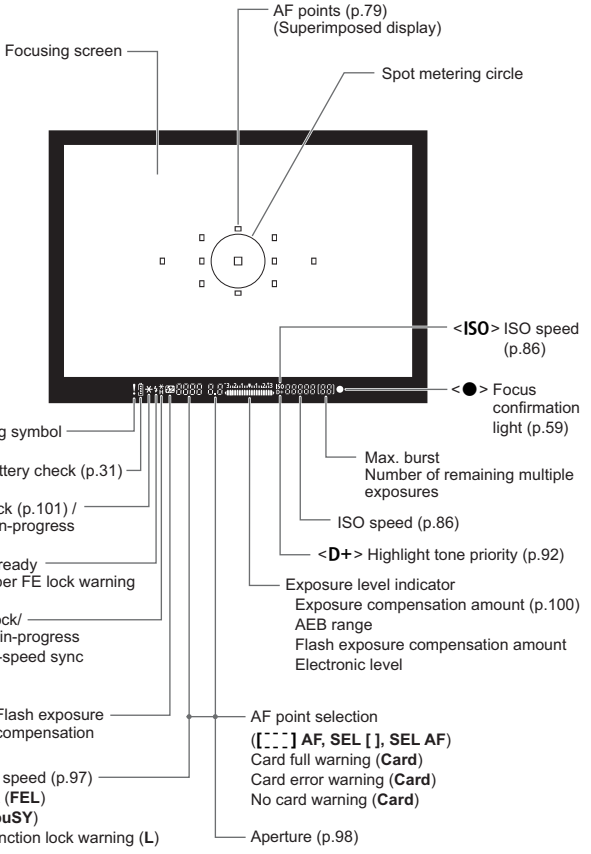

<⊖> Focal plane mark
<AF-ON> AF start button (p.40, 105)
<📷/🎥> Live View shooting/ Movie shooting switch (p.103/113)
<START/STOP> Start/Stop button (p.104, 114)
<✳> AE lock/ FE lock button (p.101)
Dioptric adjustment knob (p.39)
<⊞> AF point selection button (p.79)
Eyecup
Viewfinder eyepiece
<Q> Quick Control button (p.45)
Strap mount (p.23)
Power switch (p.30)
<MENU> Menu button (p.47)
<INFO.> Info button (p.44, 53, 55, 120)
Card slot cover (p.27)
Battery compartment cover release lever (p.26)
LCD monitor (p.47)
Battery compartment cover (p.26)
Tripod socket
Access lamp (p.29)
<🔍> Index/Magnify/Reduce button (p.121/122)
Multi function lock switch (p.43)
<▶> Playback button (p.120)
<SET> Setting button (p.47)
<✣> Multi-controller (p.43)
<◯> Quick Control Dial (p.42)
<🗑> Erase button (p.125)
Card slot (p.27)

LCD Panel



The display will show only the settings currently applied.

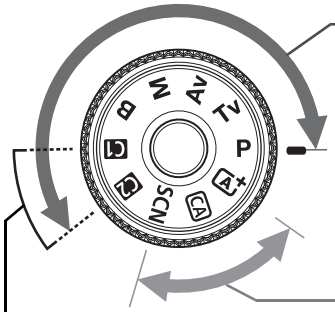
Viewfinder Information



The display will show only the settings currently applied.

Mode Dial

Turn the Mode Dial while holding down the Mode Dial center (Mode Dial lock release button).



Creative Zone

These modes give you more control for shooting various subjects.

P : Program AE (p.96)

Tv : Shutter-priority AE (p.97)

Av : Aperture-priority AE (p.98)

M : Manual exposure (p.99)

B : Bulb

Basic Zone

All you do is press the shutter button. The camera sets everything to suit the subject or scene.

A+ : **Scene Intelligent Auto** (p.58)

CA : **Creative Auto** (p.63)

SCN : Special scene (p.66)

: Portrait (p.67)

: Landscape (p.68)

: Close-up (p.69)

: Sports (p.70)

: Night Portrait (p.71)

: Handheld Night Scene (p.72)

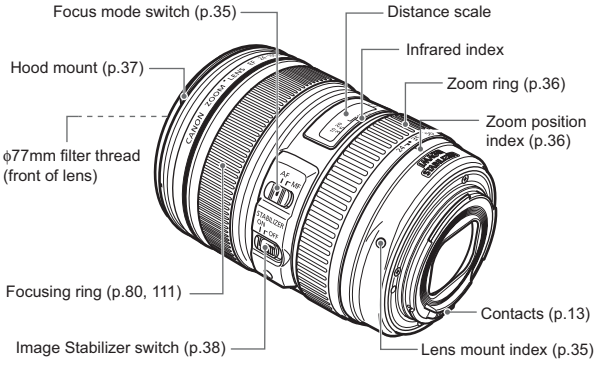
: HDR Backlight Control (p.73)

Custom shooting mode

You can register the shooting mode (**P**/**Tv**/**Av**/**M**/**B**), AF operation, menu settings, etc., to the C1 or C2 Mode Dial setting and shoot.

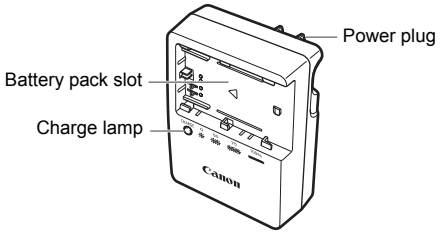
Lens

EF24-105mm f/4L IS USM



Battery Charger LC-E6

Charger for Battery Pack LP-E6 (p.24).

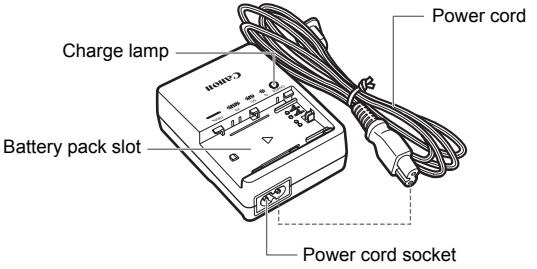


IMPORTANT SAFETY INSTRUCTIONS-SAVE THESE INSTRUCTIONS. DANGER-TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

For connection to a supply not in the U.S.A., use an attachment plug adapter of the proper configuration for the power outlet, if needed.

Battery Charger LC-E6E

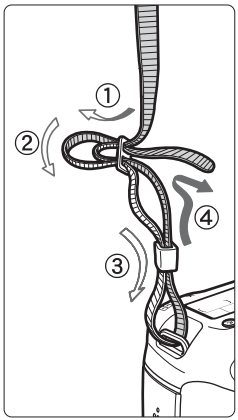
Charger for Battery Pack LP-E6 (p.24).



1

Getting Started

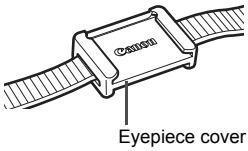
This chapter explains preparatory steps before you start shooting and basic camera operations.



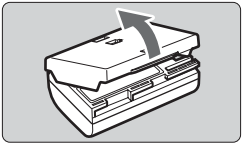
Attaching the Strap

Pass the end of the strap through the camera's strap mount eyelet from the bottom. Then pass it through the strap's buckle as shown in the illustration. Pull the strap to take up any slack and make sure the strap will not loosen from the buckle.

- The eyepiece cover is also attached to the strap.

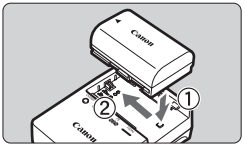


Charging the Battery



1 Remove the protective cover.

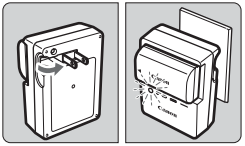
- Detach the protective cover provided with the battery.



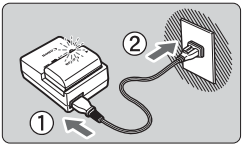
2 Attach the battery.

- As shown in the illustration, attach the battery securely to the charger.
- To detach the battery, follow the above procedure in reverse.

LC-E6



LC-E6E



3 Recharge the battery.

For LC-E6

- As shown by the arrow, flip out the battery charger's prongs and insert the prongs into a power outlet.

For LC-E6E

- Connect the power cord to the charger and insert the plug into a power outlet.

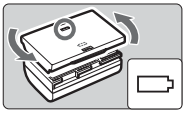
▶ Recharging starts automatically and the charge lamp blinks in orange.

Charge Level	Charge Lamp	
	Color	Indicator
0 - 49%	Orange	Blinks once per second
50 - 74%		Blinks twice per second
75% or higher		Blinks three times per second
Fully charged	Green	Lights up

- **It takes approx. 2.5 hours to fully recharge a completely exhausted battery at room temperature (23°C / 73°F). The time required to recharge the battery will vary greatly depending on the ambient temperature and the battery's remaining capacity.**
- For safety reasons, recharging in low temperatures (5°C - 10°C / 41°F - 50°F) will take longer (up to approx. 4 hours).

Tips for Using the Battery and Charger

- **Upon purchase, the battery is not fully charged.**
  Recharge the battery before using.
- **Recharge the battery on the day before or on the day it is to be used.**
  Even during storage, a charged battery will gradually drain and lose its capacity.
- **After recharging the battery, detach it and disconnect the charger from the power outlet.**
- **You can attach the cover in a different orientation to indicate whether the battery has been recharged or not.**
  If the battery has been recharged, attach the cover so that the battery-shaped hole <▭> is aligned over the blue sticker on the battery. If the battery is exhausted, attach the cover in the opposite orientation.



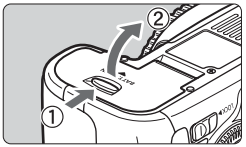
- **When not using the camera, remove the battery.**
  If the battery is left in the camera for a prolonged period, a small amount of power current is released, resulting in excess discharge and shorter battery life. Store the battery with the protective cover attached. Storing the battery when it is fully charged may lower the battery's performance.
- **The battery charger can also be used in foreign countries.**
  The battery charger is compatible with a 100 V AC to 240 V AC 50/60 Hz power source. If necessary, attach a commercially-available plug adapter for the respective country or region. Do not attach any portable voltage transformer to the battery charger. Doing so can damage the battery charger.
- **If the battery becomes exhausted quickly even after being fully charged, the battery has reached the end of its service life.**
  Check the battery's recharge performance and purchase a new battery.

- After disconnecting the charger's power plug, do not touch the prongs for at least 3 sec.
- If the battery's remaining capacity is 94% or higher, the battery will not be recharged.
- The charger cannot charge any battery other than Battery Pack LP-E6.

Installing and Removing the Battery

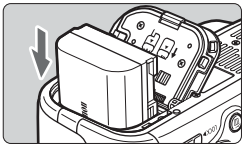
Load a fully charged Battery Pack LP-E6 into the camera.

Installing the Battery



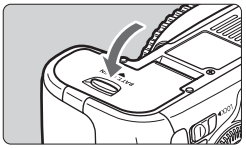
1 Open the cover.

- Slide the lever as shown by the arrows and open the cover.



2 Insert the battery.

- Insert the end with the battery contacts.
- Insert the battery until it locks in place.

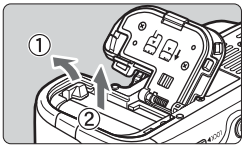


3 Close the cover.

- Press the cover until it snaps shut.

Only Battery Pack LP-E6 can be used.

Removing the Battery



Open the cover and remove the battery.

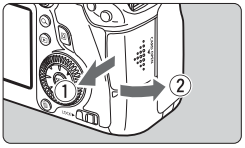
- Press the battery lock lever as shown by the arrow and remove the battery.
- To prevent short circuiting of the battery contacts, be sure to attach the provided protective cover (p.24) to the battery.

Installing and Removing the Card

The camera can use an SD, SDHC, or SDXC memory card. UHS-I Speed Class SDHC and SDXC memory cards can also be used. The captured images are recorded onto the card.

Make sure the card's write-protect switch is set upward to enable writing/erasing.

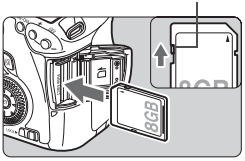
Installing the Card



1 Open the cover.

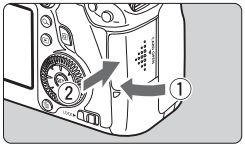
- Slide the cover as shown by the arrows to open it.

Write-protect switch



2 Insert the card.

- **As shown by the illustration, face the card's label side toward you and insert it until it clicks in place.**



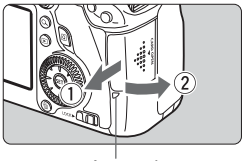
3 Close the cover.

- Close the cover and slide it in the direction shown by the arrows until it snaps shut.
- When you set the power switch to <ON>, the number of possible shots (p.31) will be displayed on the LCD monitor.

Possible shots

- The number of possible shots depends on the remaining capacity of the card, image-recording quality, ISO speed, etc.
- Setting [**1: Release shutter without card**] to [**Disable**] will prevent you from forgetting to insert a card.

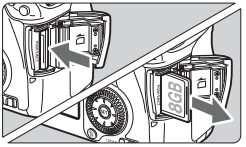
Removing the Card



Access lamp

1 Open the cover.

- Set the power switch to <OFF>.
- **Make sure the access lamp is off, then open the cover.**
- If [**Recording...**] is displayed, close the cover.



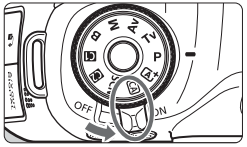
2 Remove the card.

- Gently push in the card, then let go to eject it.
- Pull the card straight out, then close the cover.

- **When the access lamp is lit or blinking, it indicates that images are being written to or read by the card, being erased, or data is being transferred. Do not open the card slot cover during this time. Also, never do any of the following while the access lamp is lit or blinking. Otherwise, it can damage the image data, card, or camera.**
  - **Removing the card.**
  - **Removing the battery.**
  - **Shaking or banging the camera around.**
- If the card already contains recorded images, the image number may not start from 0001.
- If a card-related error message is displayed on the LCD monitor, remove and reinsert the card. If the error persists, use a different card.
  If you can transfer all the images on the card to a computer, transfer all the images and then format the card with the camera (p.49). The card may then return to normal.
- Do not touch the card's contacts with your fingers or metal objects.

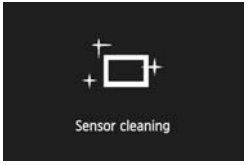
Turning on the Power

If you turn on the power switch and the Date/Time/Zone setting screen appears, see page 32 to set the Date/Time/Zone.



<ON> : The camera turns on.
<OFF> : The camera is turned off and does not operate. Set to this position when not using the camera.

About the Automatic Self-Cleaning Sensor



- Whenever you set the power switch to <ON> or <OFF>, sensor cleaning will be executed automatically. (A small sound may be heard.) During the sensor cleaning, the LCD monitor will display < >.
- You can still shoot during sensor cleaning by pressing the shutter button halfway (p.40) to stop the sensor cleaning and take a picture.
- If you repeatedly turn the power switch <ON>/<OFF> at a short interval, the < > icon may not be displayed. This is normal and not a problem.

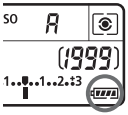
MENU About Auto Power Off

- To save battery power, the camera turns off automatically after 1 minute of non-operation. To turn on the camera again, just press the shutter button halfway (p.40).
- You can set the auto power off time with [**2: Auto power off**] (p.51).

If you set the power switch to <OFF> while an image is being recorded to the card, [**Recording...**] will be displayed and the power will turn off after the card finishes recording the image.

Checking the Battery Level

When the power switch is set to <ON>, the battery level will be indicated in one of six levels. A blinking battery icon ( ) indicates that the battery will be exhausted soon.



Icon						
Level (%)	100 - 70	69 - 50	49 - 20	19 - 10	9 - 1	0

Number of Possible Shots [Approx. number of shots]

Temperature	Room Temperature (23°C / 73°F)	Low Temperature (0°C / 32°F)
Possible shots	1090	980

- The figures above are based on a fully-charged Battery Pack LP-E6, no Live View shooting, and CIPA (Camera & Imaging Products Association) testing standards.
- Possible shots with Battery Grip BG-E13
  - With LP-E6 x 2: approx. twice the shots without the battery grip.
  - With size-AA/LR6 alkaline batteries at room temperature (23°C / 73°F): approx. 480 shots.

- The number of possible shots will decrease with any of the following operations:
  - Pressing the shutter button halfway for a prolonged period.
  - Activating the AF frequently without taking a picture.
  - Using the lens Image Stabilizer.
  - Using the LCD monitor often.
- The number of possible shots may decrease depending on the actual shooting conditions.
- The lens operation is powered by the camera's battery. Depending on the lens used, the number of possible shots may be lower.
- For the number of possible shots with Live View shooting, see page 105.
- See [**4: Battery info.**] to check the battery's condition in detail.
- If size-AA/LR6 batteries are used in Battery Grip BG-E13, a four-level indicator will be displayed. ([/] will not be displayed.)

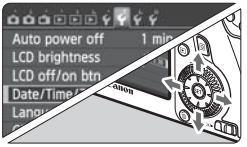
MENU Setting the Date, Time, and Zone

When you turn on the power for the first time or if the date/time/zone have been reset, the Date/Time/Zone setting screens will appear. Follow the steps below to set the time zone first. If you set the camera to the correct time zone for where you currently live, when you travel to another time zone you can simply set the camera to the correct time zone for your destination to update the camera's date/time automatically.

Note that the date/time appended to recorded images will be based on this date/time setting. Be sure to set the correct date/time.

1 Display the menu screen.

- Press the <MENU> button to display the menu screen.



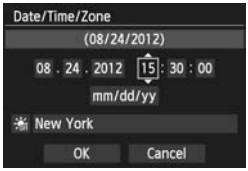
2 Under the [2] tab, select [Date/Time/Zone].

- Press the <◄►> key to select the [2] tab.
- Press the <▲▼> key to select [**Date/Time/Zone**], then press <(SET)>.

3 Set the time zone.

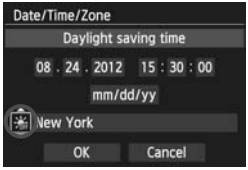
- **[London] is set by by default.**
- Press the <◄►> key to select the time zone box.
- Press <(SET)> so <⌂> is displayed.
- Press the <▲▼> key to select the time zone, then press <(SET)>. (Returns to <□>.)

- The menu setting procedure is explained on pages 47-48.
- The time displayed on the upper right is the time difference compared with Coordinated Universal Time (UTC). If you do not see your time zone, set the time zone while referring to the difference with UTC.



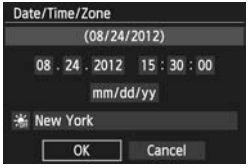
4 Set the date and time.

- Press the <◄►> key to select the number.
- Press <(SET)> so <⇕> is displayed.
- Press the <▲▼> key to set the number, then press <(SET)>. (Returns to <□>.)



5 Set the Daylight Saving Time.

- Set it if necessary.
- Press the <◄►> key to select [☀off].
- Press <(SET)> so <⇕> is displayed.
- Press the <▲▼> key to select [☀], then press <(SET)>.
- When the daylight saving time is set to [☀], the time set in step 4 will advance by 1 hour. If [☀off] is set, the daylight saving time will be canceled and the time will go back by 1 hour.



6 Exit the setting.

- Press the <◄►> key to select [**OK**], then press <(SET)>.
- ▶ The Date/Time/Zone and daylight saving time will be set and the menu will reappear.

If you store the camera without the battery or if the camera's battery becomes exhausted, the date/time/zone may be reset. If this happens, set the time zone and date/time again.

- The date/time that was set will start from when you press <(SET)> in step 6.
- After changing the time zone, check that the correct date/time has been set.

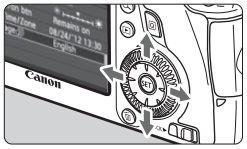
MENU Selecting the Interface Language

1 Display the menu screen.

- Press the <MENU> button to display the menu screen.

2 Under the [2] tab, select [Language].

- Press the <◄►> key to select the [2] tab.
- Press the <▲▼> key to select [**Language**], then press <(SET)>.

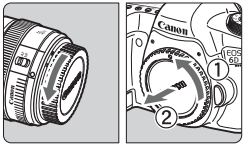


3 Set the desired language.

- Press the <▲▼> key to select the language, then press <(SET)>.
- ▶ The interface language will change.

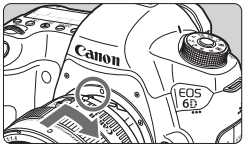
Attaching and Detaching a Lens

The camera is compatible with all Canon EF lenses. **The camera cannot be used with EF-S and EF-M lenses.**



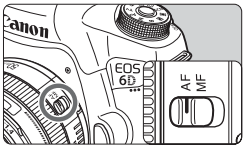
1 Remove the caps.

- Remove the rear lens cap and the body cap by turning them as shown by the arrows.



2 Attach the lens.

- Align the red dots on the lens and camera and turn the lens as shown by the arrow until it clicks in place.



3 Set the lens focus mode switch to <AF>.

- <**AF**> stands for Autofocus.
- If it is set to <**MF**> (manual focus), autofocus will not operate.

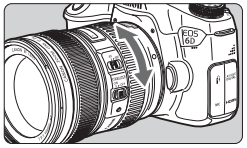
4 Remove the front lens cap.

Minimizing Dust

- When changing lenses, do it quickly in a place with minimal dust.
- When storing the camera without a lens attached, be sure to attach the body cap to the camera.
- Remove dust on the body cap before attaching it.

- Do not look at the sun directly through any lens. Doing so may cause loss of vision.
- If the front part (focusing ring) of the lens rotates during autofocusing, do not touch the rotating part.

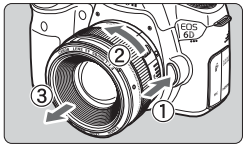
About Zooming



To zoom, turn the zoom ring on the lens with your fingers.

If you want to zoom, do it before focusing. Turning the zoom ring after achieving focus may throw off the focus slightly.

Detaching the Lens



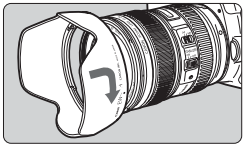
While pressing the lens release button, turn the lens as shown by the arrows.

- Turn the lens until it stops, then detach it.
- Attach the rear lens cap to the detached lens.

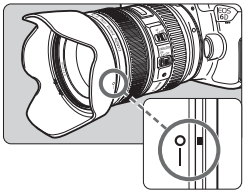
Attaching a Lens Hood

A lens hood can block unwanted light and protect the front of the lens from rain, snow, dust, etc. Before storing the lens in a bag, etc., you can attach the hood in reverse.

If the Lens Hood and Lens Have a Mount Index



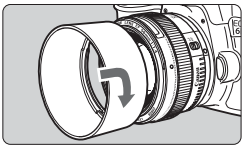
1 Align the red dots on the hood and lens edges, and turn the hood as shown by the arrow.



2 Turn the hood as shown in the illustration.

- Turn the hood clockwise until it attaches securely.

If Neither the Lens Hood Nor the Lens Have a Mount Index



Attach the hood.

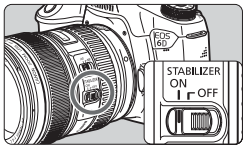
- Turn the hood as shown by the arrow until it attaches securely.

- If the lens has a mount index and you do not attach the hood properly, it may obstruct the image's periphery, making it look dark.
- When attaching or detaching the hood, grasp the base of the hood when turning it. Grasping the hood's edges when turning it may deform the hood, resulting in failure to turn.

About the Lens Image Stabilizer

When you use the IS lens' built-in Image Stabilizer, camera shake is corrected to obtain a sharper shot. The procedure explained here is based on the EF24-105mm f/4L IS USM lens as an example.

* IS stands for Image Stabilizer.



1 Set the Image Stabilizer switch to <ON>.

- Also set the camera's power switch to <ON>.

2 Press the shutter button halfway.

▶ The Image Stabilizer will operate.

3 Take the picture.

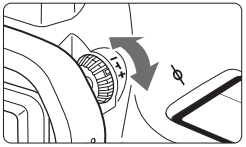
- When the picture looks steady in the viewfinder, press the shutter button completely to take the picture.

- The Image Stabilizer cannot correct "subject blur", when the subject moves at the time of exposure.
- For bulb exposures, set the IS switch to <OFF>. If <ON> is set, Image Stabilizer misoperation may occur.
- The Image Stabilizer may not be effective for excessive shaking such as on a rocking boat.
- The Image Stabilizer may not be effective when you use the EF24-105mm f/4L IS USM lens for panned shots.

- The Image Stabilizer can operate with the lens focus mode switch set to either <**AF**> or <**MF**>.
- When using a tripod, you can still shoot with the IS switch set to <ON> with no problem. However, to save battery power, setting the IS switch to <OFF> is recommended.
- The Image Stabilizer is effective even when the camera is mounted on a monopod.

Basic Operation

Adjusting the Viewfinder Clarity



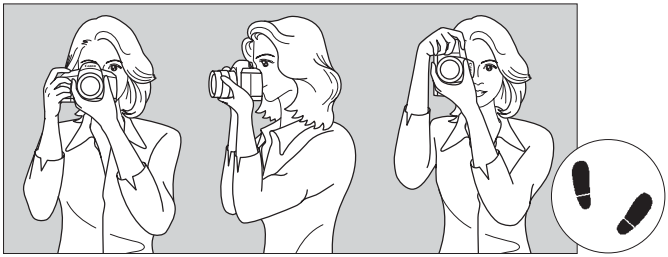
Turn the dioptric adjustment knob.

- Turn the knob left or right so that the AF points in the viewfinder look sharp.
- If the knob is difficult to turn, remove the eyecup.

If the camera's dioptric adjustment still cannot provide a sharp viewfinder image, using E-series Dioptric Adjustment Lenses (10 types, sold separately) is recommended.

Holding the Camera

To obtain sharp images, hold the camera still to minimize camera shake.



Horizontal shooting Vertical shooting

1. Wrap your right hand around the camera grip firmly.
2. Hold the lens bottom with your left hand.
3. Rest your hand's right index finger lightly on the shutter button.
4. Press your arms and elbows lightly against the front of your body.
5. To maintain a stable stance, place one foot slightly ahead of the other.
6. Press the camera against your face and look through the viewfinder.

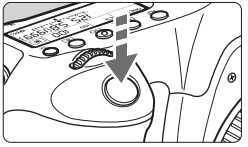
To shoot while looking at the LCD monitor, see page 103.

Shutter Button

The shutter button has two steps. You can press the shutter button halfway. Then you can further press the shutter button completely.

Pressing halfway

This activates autofocusing and the automatic exposure system that sets the shutter speed and aperture.
The exposure setting (shutter speed and aperture) is displayed in the viewfinder and on the LCD panel (⏱4).



Pressing completely

This releases the shutter and takes the picture.

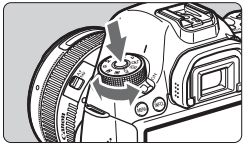
Preventing Camera Shake

Hand-held camera movement during the moment of exposure is called camera shake. It can cause blurred pictures. To prevent camera shake, note the following:

- Hold and steady the camera as shown on the preceding page.
- Press the shutter button halfway to autofocus, then slowly press the shutter button completely.

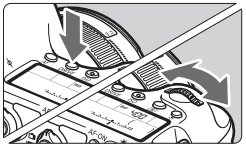
- In Creative Zone modes, pressing the <AF-ON> button is the same as pressing the shutter button halfway.
- If you press the shutter button completely without pressing it halfway first or if you press the shutter button halfway and then press it completely immediately, the camera will take a moment before it takes the picture.
- Even during menu display, image playback, or image recording, you can instantly go back to shooting-ready by pressing the shutter button halfway.

Mode Dial



Turn the dial while holding down the lock release button at the center of the dial.

Main Dial

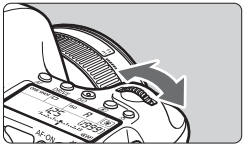


(1) After pressing a button, turn the <dial> dial.

When you press a button such as <AF> <DRIVE> <ISO>, the respective function remains selected for the duration of the timer (6). During this time, you can turn the <dial> dial to set the desired setting.

When the function selection ends or if you press the shutter button halfway, the camera will be ready to shoot.

- Use this dial to select or set the AF operation, drive mode, ISO speed, metering mode, AF point selection, etc.



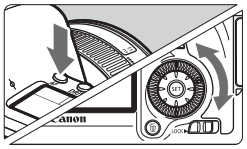
(2) Turn the <dial> dial only.

While looking at the viewfinder or LCD panel, turn the <dial> dial to set the desired setting.

- Use this dial to set the shutter speed, aperture, etc.

The operations in (1) are also possible while the <LOCK▶> switch is set to the right (Multi function lock, p.43).

Quick Control Dial

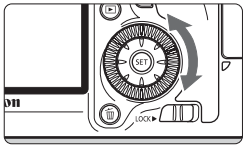


(1) After pressing a button, turn the <◯> dial.

When you press a button such as <AF> <DRIVE> <ISO>, the respective function remains selected for the duration of the timer (⏱6). During this time, you can turn the <◯> dial to set the desired setting.

When the function selection ends or if you press the shutter button halfway, the camera will be ready to shoot.

- Use this dial to select or set the AF operation, drive mode, ISO speed, metering mode, AF point selection, etc.



(2) Turn the <◯> dial only.

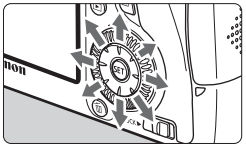
While looking at the viewfinder or LCD panel, turn the <◯> dial to set the desired setting.

- Use this dial to set the exposure compensation amount, the aperture setting for manual exposures, etc.

The operations in (1) are also possible while the <LOCK▶> switch is set to the right (Multi function lock, p.43).

Multi-controller

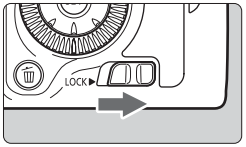
The Multi-controller <⊹> has eight keys which tilt in the directions shown by the arrows.



- Use the eight keys to select the AF point, correct the white balance, move the AF point or magnifying frame during Live View shooting, scroll around magnified images during playback, etc.
- For menus and the Quick Control, the Multi-controller works only in the vertical and horizontal directions <▲▼> <◀▶>. It does not work in diagonal directions.

LOCK▶ Multi function Lock

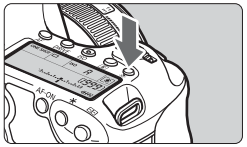
With [.⚙.**C.Fn III -3: Multi function lock**] set and the <LOCK▶> switch set to the right, it prevents the Main Dial, Quick Control Dial, and Multi-controller from moving and changing a setting inadvertently.



<LOCK▶> switch set to the left:
Lock released
<LOCK▶> switch set to the right:
Lock engaged

If the <LOCK▶> switch is set to the right and you try to use one of the locked camera controls, <**L**> will be displayed in the viewfinder and on the LCD panel. On the shooting function settings display (p.44), [**LOCK**] will be displayed.

☼ LCD Panel Illumination



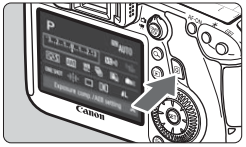
Turn on (⏱6)/off the LCD panel illumination by pressing the <☼> button. During a bulb exposure, pressing the shutter button completely will turn off the LCD panel illumination.

Displaying Shooting Function Settings

After you press the <**INFO.**> button a number of times, the shooting function settings will be displayed.
With the shooting settings displayed, you can turn the Mode Dial to see the settings for each shooting mode.
Pressing the <Q> button enables Quick Control of the shooting function settings (p.45).
Press the <**INFO.**> button again to turn off the display.

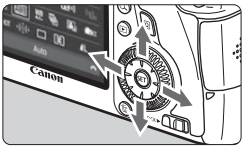
Q Quick Control for Shooting Functions

You can directly select and set the shooting functions displayed on the LCD monitor. This is called the Quick Control screen.



1 Press the <Q> button.

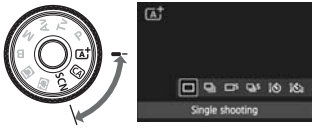
▶ The Quick Control screen will appear (⏱10).



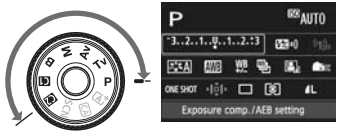
2 Set the desired function.

- Press the <▲▼> <◀▶> key to select a function.
- ▶ The setting of the selected function is displayed.
- Turn the <☀> or <◯> dial to change the setting.

Basic Zone modes



Creative Zone modes

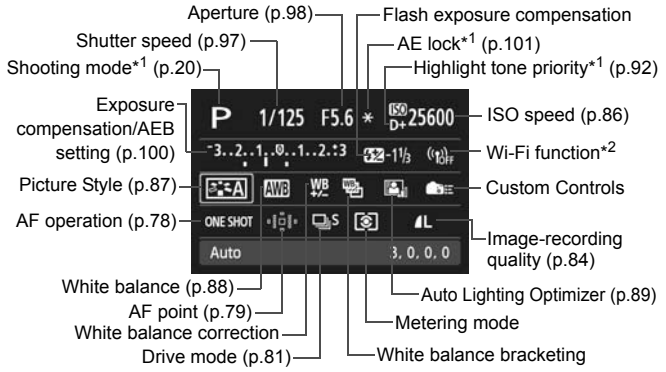


3 Take the picture.

- Press the shutter button completely to take the picture.
- ▶ The captured image will be displayed.

For the functions settable in Basic Zone modes and the setting procedure, see page 75.

Sample Quick Control Screen



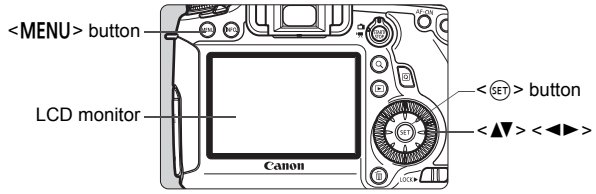
*1: These functions cannot be set with the Quick Control screen.
*2: Refer to the Wi-Fi Function Instruction Manual for Wi-Fi function settings.

Function Setting Screen

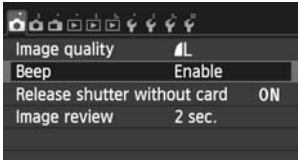
- Select the desired function and press <SET>. The function's setting screen will appear.
- Turn the <dial> or <dial> dial to change the setting. You can also press the <◄►> key to change some of the settings. Also, some functions can be set by pressing the <**INFO.**> button.
- Press <SET> to finalize the setting and return to the Quick Control screen.
- When you select <Custom Controls> or <AF point, p.79> and press the <**MENU**> button, the shooting function settings display will reappear.

MENU Menu Operations

You can set various settings with the menus such as the image-recording quality, date/time, etc. While looking at the LCD monitor, use the <MENU> button, <▲▼> <◀▶> keys, and <(SET)> button on the camera back.

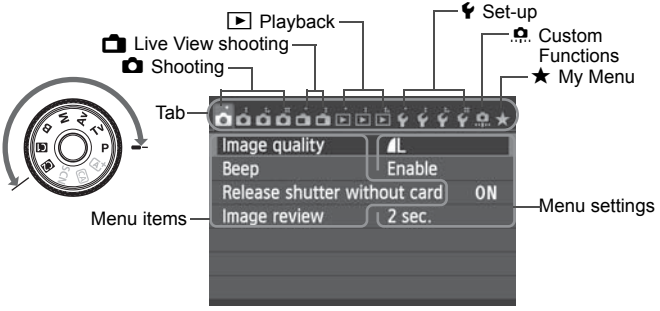


Menus in Basic Zone Modes



*** Some menu tabs and menu items are not displayed in Basic Zone modes.**

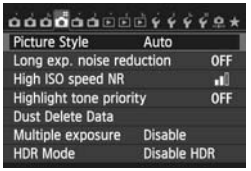
Menus in Creative Zone Modes



Menu Setting Procedure

1 Display the menu screen.

- Press the <MENU> button to display the menu screen.



2 Select a tab.

- Press the <◄►> key to select a menu tab.
- For example, the [4] tab refers to the screen displayed when the forth tab from the left [] is selected.

3 Select the desired item.

- Press the <▲▼> key to select the item, then press <(SET)>.

4 Select the setting.

- Press the <▲▼> or <◄►> key to select the desired setting. (Some settings require you to press either the <▲▼> or <◄►> key to select them.)
- The current setting is indicated in blue.

5 Set the desired setting.

- Press <(SET)> to set it.

6 Exit the setting.

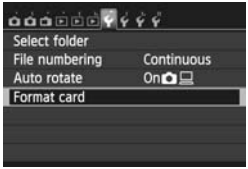
- Press the <MENU> button to return to the shooting function settings display.

- In step 2, you can also turn the <> dial to select a menu tab. In step 4, you can also turn the <> dial to select certain settings.
- The explanation of menu functions hereinafter assumes that you have pressed the <MENU> button to display the menu screen.
- To cancel, press the <MENU> button.

MENU Formatting the Card

If the card is new or was previously formatted by another camera or computer, format the card with the camera.

When the card is formatted, all images and data in the card will be erased. Even protected images will be erased, so make sure there is nothing you need to keep. If necessary, transfer the images and data to a computer, etc., before formatting the card.

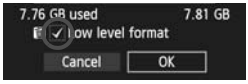


1 Select [Format card].

- Under the [**1**] tab, select [**Format card**], then press <(SET)>.

2 Format the card.

- Select [**OK**], then press <(SET)>.
- ▶ The card will be formatted.
- ▶ When the formatting is completed, the menu will reappear.



- For low-level formatting, press the <🗑> button to append [**Low level format**] with a checkmark <✓>, then select [**OK**].

Execute [Format card] in the following cases:

- **The card is new.**
- **The card was formatted by a different camera or a computer.**
- **The card is full with images or data.**
- **A card-related error is displayed.**

About Low-level Formatting

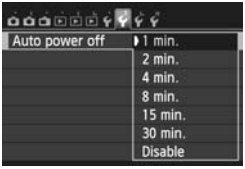
- Perform low-level formatting if the card's recording or reading speed seems slow or if you want to totally erase data in the card.
- Since low-level formatting will format all recordable sectors in the card, the formatting will take slightly longer than normal formatting.
- You can stop the low-level formatting by selecting [**Cancel**]. Even in this case, normal formatting will be completed and you can use the card as usual.

- Cards with 128 GB or lower capacity will be formatted in FAT format. Cards with a capacity higher than 128 GB will be formatted in exFAT format. If you format a card with a capacity higher than 128 GB with this camera and then insert it into another camera, an error may be displayed and you may not be able to use the card. Also, depending on the computer's OS or card reader, it may not recognize a card formatted in exFAT format.
- When the card is formatted or data is erased, only the file management information is changed. The actual data is not completely erased. Be aware of this when selling or discarding the card. When discarding the card, execute low-level formatting or destroy the card physically to prevent the personal data from being leaked.
- **Before using a new Eye-Fi card, the software in the card must be installed in your computer. Then format the card with the camera.**

- The card capacity displayed on the card format screen may be smaller than the capacity indicated on the card.
- This device incorporates exFAT technology licensed from Microsoft.

MENU Setting the Power-off Time/Auto Power Off

To save battery power, the camera turns off automatically after a set time of idle operation elapses. If you do not want the camera to turn off automatically, set this to [**Disable**]. After the power turns off, you can turn on the camera again by pressing the shutter button or other buttons.



1 Select [Auto power off].

- Under the [**2**] tab, select [**Auto power off**], then press <(SET)>.

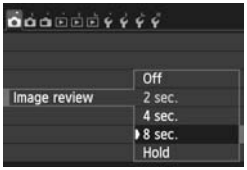
2 Set the desired time.

- Select the desired setting, then press <(SET)>.

Even if [**Disable**] is set, the LCD monitor will turn off automatically after 30 min. to save power. (The camera's power does not turn off.)

MENU Setting the Image Review Time

You can set how long the image is displayed on the LCD monitor immediately after capture. To keep the image displayed, set [**Hold**]. To not have the image displayed, set [**Off**].



1 Select [Image review].

- Under the [**1**] tab, select [**Image review**], then press <(SET)>.

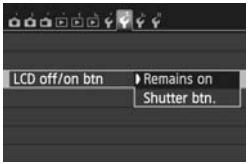
2 Set the desired time.

- Select the desired setting, then press <(SET)>.

If [**Hold**] is set, the image will be displayed until the auto power off time elapses.

MENU Turning the LCD Monitor Off/On

The shooting settings display (p.44) can be set to remain on even when you press the shutter button halfway.

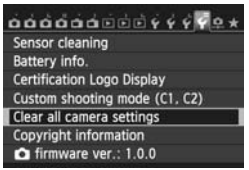


Under the [**2**] tab, select [**LCD off/on btn**], then press <(SET)>. The available settings are described below. Select one, then press <(SET)>.

- **[Remains on] :** Display remains on even when you press the shutter button halfway. To turn off display, press the <**INFO.**> button.
- **[Shutter btn.] :** When you press the shutter button halfway, the display will turn off. When you let go of the shutter button, the display will turn on.

MENU Reverting the Camera to the Default Settings ☆

The camera's shooting settings and menu settings can be reverted to their defaults.



1 Select [Clear all camera settings].

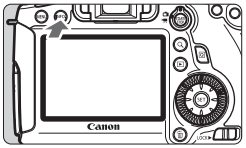
- Under the [**4**] tab, select [**Clear all camera settings**], then press <(SET)>.

2 Select [OK].

- Select [**OK**], then press <(SET)>.

Displaying the Electronic Level

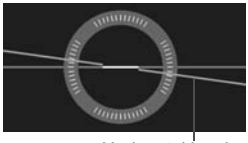
Displaying the Electronic Level on the LCD Monitor



1 Press the <INFO.> button.

- Each time you press the <INFO.> button, the screen display will change.
- Display the electronic level.

- If the electronic level does not appear, set [**3: INFO. button display options**] so that the electronic level can be displayed.



2 Check the camera's tilt.

- The horizontal tilt is displayed in 1° increments.
- When the red line turns green, it indicates that the tilt is corrected.

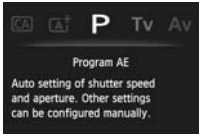
Feature Guide and Help

While you set some function, the feature's description can be displayed.

Feature Guide

The Feature guide displays a simple description of the respective shooting mode, function or option. It appears when you change the shooting mode or set a shooting function, Live View shooting, Movie shooting, or Quick Control for playback. When you select a function or option on the Quick Control screen, the Feature guide description appears. When you proceed with the operation, the Feature guide will disappear.

- **Shooting mode** (Sample)



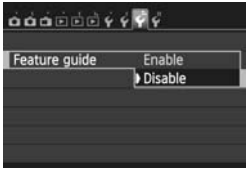
- **Quick Control** (Sample)

Shooting settings

Live View shooting

Playback

MENU Disabling the Feature Guide



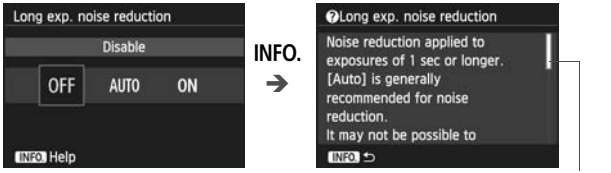
Select [Feature guide].

- Under the [**3**] tab, select [**Feature guide**], then press <(SET)>.
- Select [**Disable**], then press <(SET)>.

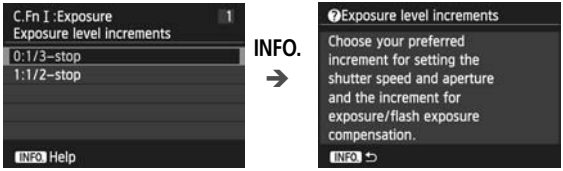
Help

When [INFO. Help] is displayed at the bottom of the menu screen, pressing the <INFO.> button displays the function's description (Help). If the Help fills more than one screen, a scroll bar will appear on the right edge. You can turn the <◌> dial to scroll down.

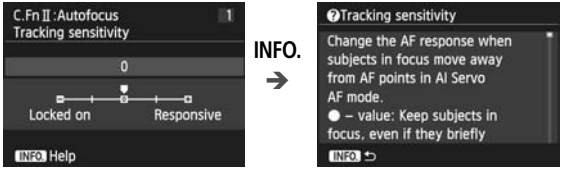
- **Example: [4: Long exp. noise reduction]**



- **Example: [C.Fn I -1: Exposure level increments]**



- **Example: [C.Fn II -1: Tracking sensitivity]**

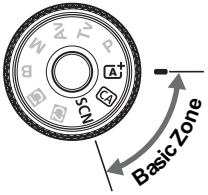


2

Basic Shooting

This chapter explains how to use the Basic Zone modes on the Mode Dial for best results.

With Basic Zone modes, all you do is point and shoot while the camera sets everything automatically (p.75). Also, to prevent botched pictures due to mistaken operations, the main shooting function settings cannot be changed.



Fully Automatic Shooting (Scene Intelligent Auto)

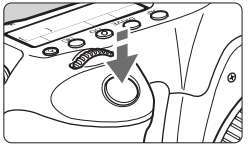
<[A+]> is a fully automatic mode. The camera analyzes the scene and sets the optimum settings automatically. It also adjusts focus automatically by detecting whether the subject is still or moving (p.61).

1 Set the Mode Dial to <[A+]>.

- Turn the Mode Dial while holding down the lock release button at the center.

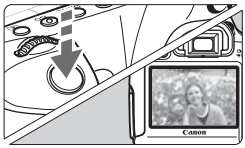
2 Aim any AF point over the subject.

- All the AF points will be used to focus, and generally the closest object will be focused.
- Aiming the center AF point over the subject will make focusing easier.



3 Focus the subject.

- Press the shutter button halfway, and the lens focusing ring will rotate to focus.
- ▶ The AF point achieving focus flashes briefly in red. At the same time, the beeper will sound and the focus confirmation light <●> in the viewfinder will light up.



4 Take the picture.

- Press the shutter button completely to take the picture.
- ▶ The captured image will be displayed for 2 sec. on the LCD monitor.

The <A+> mode makes the colors look more impressive in nature, outdoor, and sunset scenes. If the desired color tone is not obtained, use a Creative Zone mode and select a Picture Style other than <PT-A> and shoot (p.87).

FAQ

- **The focus confirmation light <●> blinks and focus is not achieved.**
  Aim the AF point over an area having good contrast, then press the shutter button halfway (p.40). If you are too close to the subject, move away and try again.
- **Multiple AF points flash simultaneously.**
  This indicates that focus is achieved at all those AF points. When the AF point covering the desired subject flashes, take the picture.
- **The beeper continues to beep softly. (The focus confirmation light <●> does not light up.)**
  It indicates that the camera is focusing continuously on a moving subject. (The focus confirmation light <●> does not light up.) You can take sharp pictures of a moving subject.
  Note that focus lock (p.61) will not work in this case.
- **Pressing the shutter button halfway does not focus the subject.**
  If the focus mode switch on the lens is set to <**MF**> (manual focus), set it to <**AF**> (autofocus).

- **The shutter speed display is blinking.**
  Since it is too dark, taking the picture may result in a blurred subject due to camera shake. Using a tripod or a Canon EX-series Speedlite (sold separately) is recommended.
- **When the external flash was used, the bottom part of the picture came out unnaturally dark.**
  If a hood is attached to the lens, it can obstruct the flash coverage. If the subject is close, detach the hood before taking the picture with flash.

In Basic Zone modes except <>, using a Canon EX-series Speedlite (sold separately) in low-light or backlit conditions can capture the subject brightly while avoiding camera shake or reduce backlit shadows.

Full Auto Techniques (Scene Intelligent Auto)

Recomposing the Shot

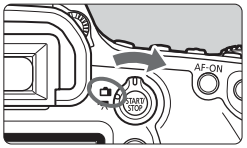
Depending on the scene, position the subject toward the left or right to create a balanced background and good perspective.
In the <A+> mode, while you press the shutter button halfway to focus a still subject, the focus will be locked. You can then recompose the shot and press the shutter button completely to take the picture. This is called “focus lock”. Focus lock is also possible in other Basic Zone modes (except <> Sports).

Shooting a Moving Subject

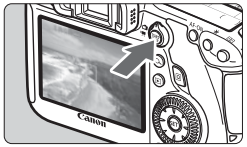
In the <A+> mode, if the subject moves (distance to camera changes) while or after you focus, AI Servo AF will take effect to focus the subject continuously. (The beeper will continue beeping softly.) As long as you keep aiming the AF point on the subject while pressing the shutter button halfway, the focusing will be continuous. When you want to take the picture, press the shutter button completely.

Live View Shooting

You can shoot while viewing the image on the LCD monitor. This is called “Live View shooting”. For details, see page 103.



1 Set the Live View shooting/Movie shooting switch to <📷>.

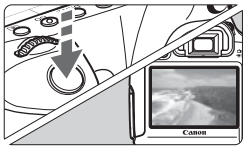


2 Display the Live View image on the LCD monitor.

- Press the <START/STOP> button.
- ▶ The Live View image will appear on the LCD monitor.

3 Focus the subject.

- Aim the center AF point <□> on the subject.
- Press the shutter button halfway to focus.
- ▶ When focus is achieved, the AF point will turn green and the beeper will sound.



4 Take the picture.

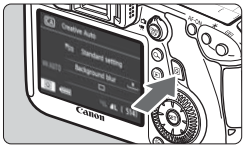
- Press the shutter button completely.
- ▶ The picture will be taken and the captured image is displayed on the LCD monitor.
- ▶ After the image review ends, the camera will return to Live View shooting automatically.
- Press the <START/STOP> button to end the Live View shooting.

CA Creative Auto Shooting

In the <CA> mode, you can easily change the depth of field and drive mode. You can also choose the ambience you want to convey in your images. The default settings are the same as the <A+> mode.

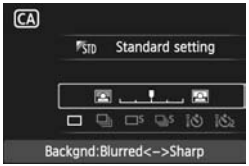
* CA stands for Creative Auto.

1 Set the Mode Dial to <CA>.



2 Press the <Q> button. (⏲10)

▶ The Quick Control screen will appear.



3 Set the desired function.

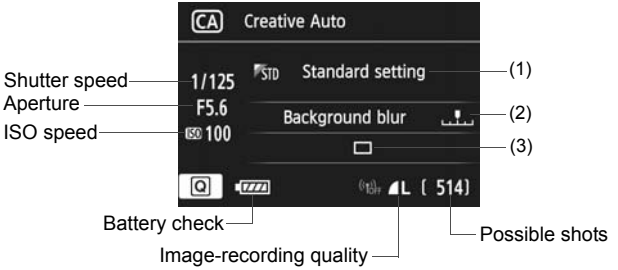
- Press the <▲▼> key to select a function.

▶ The selected function and Feature guide (p.54) will appear.

- For setting procedure and details on each function, see pages 64-65.

4 Take the picture.

- Press the shutter button completely to take the picture.



Pressing the <Q> button enables you to set the following:

(1) Ambience-based shots

You can choose the ambience you want to convey in your images. Turn the <dial> or <dial> dial to select the desired ambience. You can also select it from a list by pressing <SET>.

(2) Blurring/sharpening the background

If you move the index mark toward the left, the background will look more blurred. If you move it toward the right, the background will look more in focus. If you want to blur the background, see “Shooting Portraits” on page 67. Set it by pressing the <◄►> key. You can also use the <dial> or <dial> dial to move the mark.
Depending on the lens and shooting conditions, the background may not look so blurred.

(3) Drive mode: Press the <◄►> key to select the desired drive mode. You can also select the drive mode by turning the <☆> or <◯> dial, or pressing <(SET)> to select it from a list.

<□> **Single shooting**:
Shoot one image at a time.

<□ₗ> **Continuous shooting**:
While you hold down the shutter button completely, shots will be taken continuously. You can shoot up to approx. 4.5 shots per second.

<□ˢ> **Silent single shooting**:
Single shooting with less shooting sound than <□>.

<□ₗˢ> **Silent continuous shooting**:
Continuous shooting (max. approx. 3.0 shots per second) with less shooting sound than <□ₗ>.

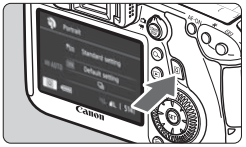
<⏲> **Self-timer: 10 sec./Remote control**:

<⏲₂> **Self-timer: 2 sec./Remote control**:
The picture is taken 10 seconds or 2 seconds after you press the shutter button. A remote controller can also be used.

SCN: Special Scene Mode

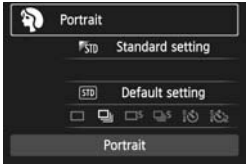
When you set a shooting mode suiting the scene, the camera sets the optimum settings automatically.

1 Set the Mode Dial to <SCN>.



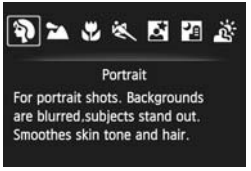
2 Press the <Q> button. (⏱10)

▶ The Quick Control screen will appear.



3 Select the shooting mode.

- Press the <▲▼> key to select the shooting mode section.
- Turn the <◯> or <◯> dial to select a shooting mode.



- You can also select a shooting mode from a list by selecting the shooting mode section and pressing <(SET)>.

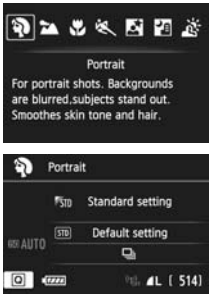
Available Shooting Modes in the <SCN> Mode

Shooting Mode		Page
	Portrait	p.67
	Landscape	p.68
	Close-up	p.69
	Sports	p.70

Shooting Mode		Page
	Night Portrait	p.71
	Handheld Night Scene	p.72
	HDR Backlight Control	p.73

Shooting Portraits

The <> (Portrait) mode blurs the background to make the human subject stand out. It also makes skin tones and the hair look softer.



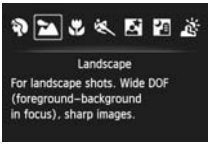
Shooting Tips

- **The further the distance between the subject and background, the better.**
  The further the distance between the subject and background, the more blurred the background will look. The subject will also stand out better in front of a plain, dark background.
- **Use a telephoto lens.**
  If you have a zoom lens, use the telephoto end to fill the frame with the subject from the waist up. Move in closer if necessary.
- **Focus the face.**
  Check that the AF point covering the face flashes in red. For close-ups of the face, focus the eyes.

The default setting is <> (Continuous shooting). If you hold down the shutter button, you can shoot continuously to obtain different poses and facial expressions (max. approx. 4.5 shots/sec.).

Shooting Landscapes

Use the <🏔> (Landscape) mode for wide scenery or to have everything in focus from near to far. For vivid blues and greens, and very sharp and crisp images.

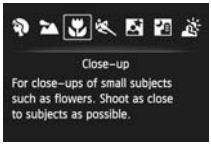


Shooting Tips

- **With a zoom lens, use the wide-angle end.**
  When using the wide-angle end of a zoom lens, objects near and far will be in focus better than at the telephoto end. It also adds breadth to landscapes.
- **Shooting night scenes.**
  When shooting night scenes, use a tripod to prevent camera shake.

Shooting Close-ups

When you want to photograph flowers or small things up close, use the <🌷> (Close-up) mode. To make small things appear much larger, use a macro lens (sold separately).



Shooting Tips

- **Use a simple background.**
  A simple background makes the flower, etc., stand out better.
- **Move as close as possible to the subject.**
  Check the lens for its minimum focusing distance. Some lenses have indications such as <🌷**0.25m/0.8ft**>. The lens minimum focusing distance is measured from the <⊖> (focal plane) mark on the top left of the camera to the subject. If you are too close to the subject, the focus confirmation light <●> will blink.
- **With a zoom lens, use the telephoto end.**
  If you have a zoom lens, using the telephoto end will make the subject look larger.

Shooting Moving Subjects

To photograph a moving subject, whether it is a child running or a moving vehicle, use the <> (Sports) mode.

Shooting Tips

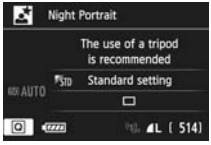
- **Use a telephoto lens.**
  Using a telephoto lens is recommended so you can shoot from afar.

- **Use the center AF point to focus.**
  Aim the center AF point over the subject, then press the shutter button halfway to autofocus. During autofocusing, the beeper will continue beeping softly. If focus cannot be achieved, the focus confirmation light <●> will blink.
  The default setting is <> (Continuous shooting). When you want to take the picture, press the shutter button completely. If you hold down the shutter button, continuous shooting (max. approx. 4.5 shots per sec.) and autofocusing will take effect to capture the movement of the subject.

Under low light when camera shake is prone to occur, the viewfinder's shutter speed display on the bottom left will blink. Hold the camera steady and shoot.

Shooting Night Portraits (With a Tripod)

To shoot people at night and obtain a natural-looking night scene in the background, use the <> (Night Portrait) mode. Flash is required. Using a tripod is also recommended.



Shooting Tips

- **Use a wide-angle lens, Speedlite, and a tripod.**
  When using a zoom lens, use the wide-angle end to obtain a wide night view. Also, use a tripod to prevent camera shake.
- **Also shoot in another shooting modes.**
  Since camera shake is prone to occur with night shots, shooting also with <> and <> is recommended.

- Tell the subject to keep still even after the flash fires.
- If you use the self-timer together with flash, the self-timer lamp will light up briefly after the picture is taken.
- During Live View shooting, it may be difficult to focus dots of light such as in a night scene. In such a case, you should set the AF method to [**Quick mode**] and shoot. If it is still difficult to focus, set the lens' focus mode switch to [**MF**] and focus manually.

Shooting Night Scenes (Handheld)

Normally, a tripod is necessary to steady your camera when shooting a night scene. However, with the <> (Handheld Night Scene) mode, you can shoot night scenes while handholding the camera. In this mode, four shots are taken continuously for each picture, and a resulting bright image with reduced camera shake is recorded.

Handheld Night Scene
For shooting night scenes without a tripod. Takes 4 consecutive shots.
Handheld Night Scene
Combine 4 shots to create a stable image
Standard setting
AUTO
L [514]

Shooting Tips

- **Hold the camera firmly.**
  While shooting, hold the camera firmly and steadily. If any of the four shots are greatly misaligned due to camera shake, etc., they may not align properly in the final image.
- **When including a human subject:**
  With flash, you can shoot both the human subject and night scene background while handholding the camera. To take a nice portrait, the first shot will use flash. Tell the person not to move until all four continuous shots are taken.

See the cautions on page 74.

Shooting Backlit Scenes

When shooting a scene having both bright and dark areas, use the <HDR> (HDR Backlight Control) mode. When you take a picture, three continuous shots are taken at different exposures, and the resulting image with the least loss of shadow detail due to backlighting and widest tonal range is recorded.

HDR Backlight Control
Retain more detail in bright or dark areas of high-contrast scenes. Takes 3 consec. shots.
HDR Backlight Control
Combine 3 shots at 3 expos. improve high-light/shadow detail.
AUTO
514

Shooting Tips

- **Hold the camera firmly.**
  While shooting, hold the camera firmly and steadily. If any of the three shots are greatly misaligned due to camera shake, etc., they may not align properly in the final image.

- Even if a Speedlite is attached to the camera, it will not fire.
- See the cautions on page 74.

HDR stands for High Dynamic Range.

Cautions for <> (Handheld Night Scene)

- During Live View shooting, it may be difficult to focus dots of light such as in a night scene. In such a case, you should set the AF method to [**Quick mode**] and shoot. If it is still difficult to focus, set the lens' focus mode switch to [**MF**] and focus manually.
- When shooting flash photography, if the subject is too close to the camera, the picture may come out extremely bright (overexposure).
- If you use flash when shooting dimly lit night scenes, or human subjects in situations where the subject and background are both near enough to be illuminated by the flash, the shots may not align correctly. This can result in a blurry photo.
- Regarding flash coverage:
  - When using a Speedlite with automatic flash coverage setting, the zoom position will be fixed to the wide end, regardless of the lens' zoom position.
  - When using a Speedlite with manual flash coverage switch, shoot with the flash head retracted to the wide (normal) position.

Cautions for <> (HDR Backlight Control)

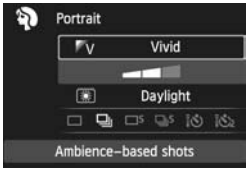
- Note that the image may not be rendered with a smooth gradation and may look irregular or have significant noise.
- HDR Backlight Control may not be effective for excessively backlit scenes or extremely high-contrast scenes.

Cautions for both <> (Handheld Night Scene) and <> (HDR Backlight Control)

- Compared with other shooting modes, the shooting area will be smaller.
- You cannot select RAW and RAW+JPEG. In other shooting modes, if RAW is set, the image quality will be **L**. Also, if RAW+JPEG is set, the image will be recorded in the set JPEG quality.
- If you shoot a moving subject, the subject's movement will leave afterimages.
- The image alignment may not function properly with repetitive patterns (lattice, stripes, etc.), flat or single-tone images, or greatly misaligned shots caused by camera shake.
- Recording the image to the card will take longer than with normal shooting. During the processing of the images, "**buSY**" will be displayed in the viewfinder and on the LCD panel and you cannot take another picture until the processing is completed.
- If the shooting mode is set to <> or <>, direct printing is not possible. Select another shooting mode and do direct printing.

Q Quick Control

Example: Portrait mode



In Basic Zone modes when the shooting function settings screen is displayed, you can press the <Q> button to display the Quick Control screen. The table below indicates the functions that can be set with the Quick Control screen in each Basic Zone mode.

1 Set the Mode Dial to a Basic Zone mode.

2 Press the <Q> button. (⏱10)

▶ The Quick Control screen will appear.

3 Set the function.

- Press the <▲▼> key to select a function. (This step is not necessary in the A+ mode.)

▶ The selected function and Feature guide (p.54) will appear.

- Functions can also be selected with the <☞> or <◯> dial.

Settable Functions in Basic Zone Modes

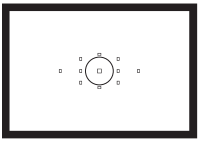
●: Default setting ○: User selectable ▭: Not selectable

Function			A+	CA	SCN						
Drive mode (p.81)	□: Single shooting		●	●	○	●	●	○	●	●	●
	⧉: Continuous shooting		○	○	●	○	○	●	○	○	○
	□S: Silent single shooting		○	○	○	○	○	○	○	○	○
	⧉S: Silent continuous shooting		○	○	○	○	○	○	○	○	○
Self-timer (p.82)		⏱	○	○	○	○	○	○	○	○	○
		⏱2	○	○	○	○	○	○	○	○	○
Ambience-based shots				○	○	○	○	○	○	○	
Light/scene-based shots					○	○	○	○			
Blurring/sharpening the background (p.64)				○							

* If you change the shooting mode or set the power switch to <OFF>, it will revert to the default settings (except the self-timer).

3

Setting the AF and Drive Modes



The viewfinder has 11 AF points. By selecting the optimum AF point, you can compose the picture as desired while autofocusing.

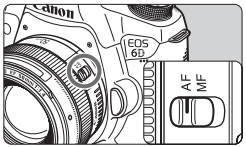
You can also select the AF operation and drive mode that best match the shooting conditions and subject.

- The ☆ icon at the upper right of the page title indicates that the function is available only in Creative Zone modes (**P**/**Tv**/**Av**/**M**/**B**).
- In Basic Zone modes, the AF operation and AF point are set automatically.

<**AF**> stands for autofocus. <**MF**> stands for manual focus.

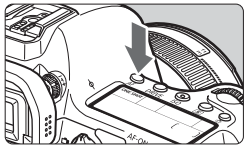
AF: Selecting the AF Operation ☆

You can select the AF operation characteristics to suit the shooting conditions or subject. In Basic Zone modes, the optimum AF operation is set automatically for the respective shooting mode.

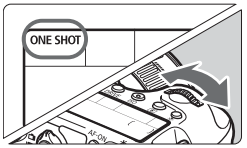


1 Set the lens focus mode switch to <AF>.

2 Turn the Mode Dial to a Creative Zone mode.



3 Press the <AF> button. (⏱6)



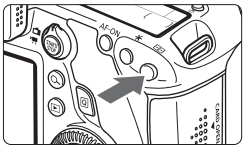
4 Select the AF operation.

- While looking at the LCD panel, turn the <☆> or <◯> dial.

ONE SHOT : One-Shot AF
AI FOCUS : AI Focus AF
AI SERVO : AI Servo AF

Selecting AF Points ☆

You can select an AF point for focusing from among eleven AF points. In Basic Zone modes, the AF point will be selected automatically and you cannot select the AF point.



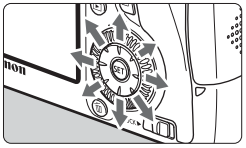
1 Press the <⊡> button. (⏱6)

- ▶ The selected AF point will be displayed in the viewfinder and on the LCD panel.
- When all the AF points light up, automatic AF point selection will be set.

2 Select an AF point.

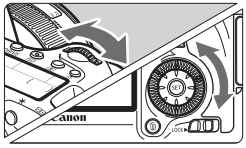
- You can either use <✣> or turn the <⊡> or <◯> dial to select an AF point.

Selecting with the Multi-controller



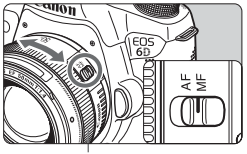
- You can use <✣> to select an AF point.
- If all the AF points light up, automatic AF point selection will be set.
- Press <(SET)> to toggle between the center AF point and automatic selection.

Selecting with the Dials

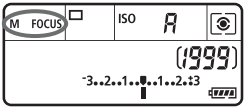


- Turn the <⊡> dial to select an AF point on the left or right or turn the <◯> dial to select an AF point above or below.
- If all the AF points light up, automatic AF point selection will be set.

MF: Manual Focusing



Focusing ring



1 Set the lens focus mode switch to <MF>.

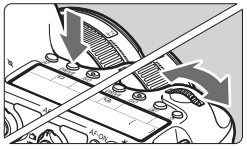
▶ <**M FOCUS**> will be displayed on the LCD panel.

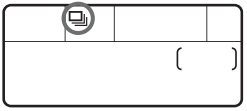
2 Focus the subject.

- Focus by turning the lens focusing ring until the subject looks sharp in the viewfinder.

Selecting the Drive Mode

Single and continuous drive modes are provided.





1 Press the <DRIVE> button. (⏱6)

2 Select the drive mode.

- While looking at the LCD panel, turn the <☆> or <◯> dial.

□ : **Single shooting**
When you press the shutter button completely, only one shot will be taken.

□ : **Continuous shooting** (Max. approx. 4.5 shots/sec.)
While you hold down the shutter button completely, shots will be taken continuously.

□S : **Silent single shooting**
Single shooting with less shooting sound than <□>.

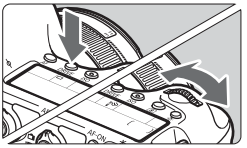
□S : **Silent continuous shooting** (Max. approx. 3.0 shots/sec.)
Continuous shooting with less shooting sound than <□>.

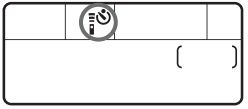
⏲ : **10-sec. self-timer/Remote control**

⏲2 : **2-sec. self-timer/Remote control**
For self-timer shooting, see page 82.

Using the Self-timer

Use the self-timer when you want to be in the picture.



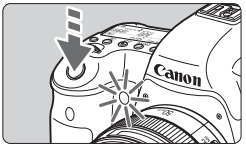


1 Press the <DRIVE> button. (6)

2 Select the self-timer.

- While looking at the LCD panel, turn the <> or <> dial to select the self-timer delay.

  : **10-sec. self-timer**
  : **2-sec. self-timer**



3 Take the picture.

- Look through the viewfinder, focus the subject, then press the shutter button completely.
- ▶ You can check the self-timer operation with the self-timer lamp, beeper, and countdown display (in seconds) on the LCD panel.
- ▶ Two seconds before the picture is taken, the self-timer lamp will light up and the beeper will sound faster.

4

Image Settings

This chapter explains image-related function settings: Image-recording quality, ISO speed, Picture Style, white balance, Auto Lighting Optimizer, lens peripheral illumination correction, chromatic aberration correction, and other functions.

- The ☆ icon at the upper right of the page title indicates that the function is available only in Creative Zone modes (**P**/**Tv**/**Av**/**M**/**B**).

MENU Setting the Image-Recording Quality

You can select the pixel count and the image quality. There are eight JPEG image-recording quality settings: ◢L, ◢L, ◢M, ◢M, ◢S1, ◢S1, S2, S3. There are three RAW image quality settings: RAW, M RAW, S RAW.

1 Select [Image quality].

- Under the [📷1] tab, select [**Image quality**], then press <(SET)>.

2 Select the image-recording quality.

- To select a RAW setting, turn the <dial> dial. To select a JPEG setting, press the <◄►> key.
- On the upper right, the "**M (megapixels) **** x ****" numbers indicate the recorded pixel count, and [***] is the number of possible shots (displayed up to 9999).
- Press <(SET)> to set it.

Guide to Image-Recording Quality Settings (Approx.)

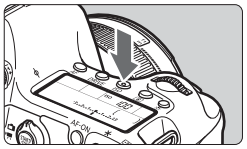
Image Quality		Pixels Recorded	Printing Size	File Size (MB)	Possible Shots	Maximum Burst
JPEG	4L	20M	A2	6.0	1250	73 (1250)
	3L			3.1	2380	2380 (2380)
	4M	8.9M	A3	3.2	2300	2300 (2300)
	3M			1.7	4240	4240 (4240)
	4S1	5.0M	A4	2.1	3450	3450 (3450)
	3S1			1.1	6370	6370 (6370)
	S2*1	2.5M	9x13 cm	1.2	6130	6130 (6130)
	S3*2	0.3M	-	0.3	23070	23070 (23070)
RAW	RAW	20M	A2	23.5	300	14 (17)
	M RAW	11M	A3	18.5	380	8 (10)
	S RAW	5.0M	A4	13.0	550	12 (17)
RAW + JPEG	RAW + 4L	20M + 20M	A2 + A2	23.5+6.0	240	7 (8)
	M RAW + 4L	11M + 20M	A3 + A2	18.5+6.0	290	8 (9)
	S RAW + 4L	5.0M + 20M	A4 + A2	13.0+6.0	380	10 (12)

*1: S2 is suitable for playing the images on a digital photo frame.
*2: S3 is suitable for emailing the image or using it on a Web site.

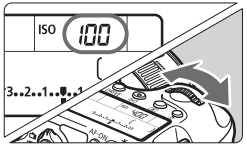
- S2 and S3 will be in 4 (Fine) quality.
- The file size, possible shots, and maximum burst during continuous shooting are based on Canon's testing standards (3:2 aspect ratio, ISO 100 and Standard Picture Style) using an 8 GB card. **These figures will vary depending on the subject, card brand, aspect ratio, ISO speed, Picture Style, Custom Functions, and other settings.**
- Figures in parentheses apply to an UHS-I class 8 GB card based on Canon's testing standards.

ISO: Setting the ISO Speed ☆

Set the ISO speed (image sensor's sensitivity to light) to suit the ambient light level. In Basic Zone modes, the ISO speed is set automatically.



1 Press the <ISO> button. (⏱6)



2 Set the ISO speed.

- While looking at the LCD panel or the viewfinder, turn the <☆> or <◯> dial.
- ISO speed can be set within ISO 100 - 25600 in 1/3-stop increments.
- "**A**" indicates ISO Auto. The ISO speed will be set automatically. You can also press the <**INFO.**> button to set it to "**A** (AUTO)".

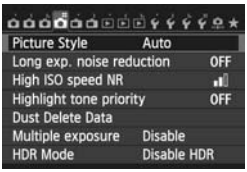
ISO Speed Guide

ISO Speed	Shooting Situation (No flash)	Flash Range
L, ISO 100 - 400	Sunny outdoors	The higher the ISO speed, the farther the flash range will be.
ISO 400 - 1600	Overcast skies or evening time	
ISO 1600 - 25600, H1, H2	Dark indoors or night	

* High ISO speeds will result in grainier images.

Selecting a Picture Style ☆

By selecting a Picture Style, you can obtain image characteristics matching your photographic expression or the subject.
In Basic Zone modes, <PSA> (Auto) is set automatically.



1 Select [Picture Style].

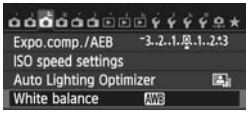
- Under the [4] tab, select [**Picture Style**], then press <SET>.
- ▶ The Picture Style selection screen will appear.

2 Select a Picture Style.

- Press the <▲▼> key to select a Picture Style, then press <SET>.
- ▶ The Picture Style will be set and the camera will be ready to shoot.

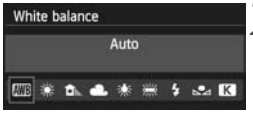
MENU Setting the White Balance ☆

White balance (WB) is for making the white areas look white. Normally, the <AWB> (Auto) setting will obtain the correct white balance. If natural-looking colors cannot be obtained with <AWB>, you can select the white balance to match the light source or set it manually by shooting a white object.
In Basic Zone modes, <AWB> is set automatically.



1 Select [White balance].

- Under the [📷3] tab, select [**White balance**], then press <(SET)>.

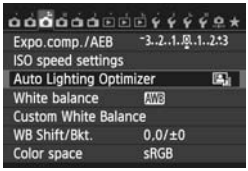


2 Select the white balance.

- Select the desired setting, then press <(SET)>.

MENU Auto Correction of Brightness and Contrast ☆

If the image comes out dark or the contrast is low, the brightness and contrast can be corrected automatically. This function is called Auto Lighting Optimizer. The default setting is [**Standard**]. With JPEG images, the correction is applied when the image is captured.
In Basic Zone modes, [**Standard**] is set automatically.



1 Select [Auto Lighting Optimizer].

- Under the [**3**] tab, select [**Auto Lighting Optimizer**], then press <(SET)>.

2 Select the setting.

- Select the desired setting, then press <(SET)>.

3 Take the picture.

- The image will be recorded with the brightness and contrast corrected if necessary.

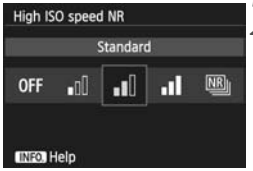
MENU Noise Reduction Settings ☆

High ISO Speed Noise Reduction

This function reduces the noise generated in the image. Although noise reduction is applied at all ISO speeds, it is particularly effective at high ISO speeds. At low ISO speeds, the noise in the darker parts of the image (shadow areas) is further reduced.

1 Select [High ISO speed NR].

- Under the [📷4] tab, select [**High ISO speed NR**], then press <(SET)>.



2 Set the level.

- Select the desired noise reduction level, then press <(SET)>.
- ▶ The setting screen closes and the menu will reappear.

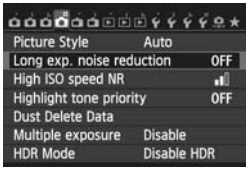
- **[NR: Multi Shot Noise Reduction]**
  Noise reduction with higher image quality than when [**High**] is applied. For a single photo, four shots are taken in a burst and merged automatically into a single JPEG image.

3 Take the picture.

- The image will be recorded with noise reduction applied.

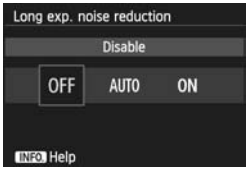
Long Exposure Noise Reduction

Noise reduction is possible with images exposed for 1 sec. or longer.



1 Select [Long exp. noise reduction].

- Under the [📷4] tab, select [**Long exp. noise reduction**], then press <(SET)>.



2 Set the desired setting.

- Select the desired setting, then press <(SET)>.
- ▶ The setting screen closes and the menu will reappear.

- **[Auto]**
  For 1 sec. or longer exposures, noise reduction is performed automatically if noise typical of long exposures is detected. This [**Auto**] setting is effective in most cases.
- **[Enable]**
  Noise reduction is performed for all exposures of 1 sec. or longer. The [**Enable**] setting may be able to reduce noise that cannot be detected with the [**Auto**] setting.

3 Take the picture.

- The image will be recorded with noise reduction applied.

MENU Highlight Tone Priority ☆

You can minimize overexposed highlight areas.

1 Select [Highlight tone priority].

- Under the [📷4] tab, select [**Highlight tone priority**], then press <(SET)>.

2 Select [Enable].

- Select [**Enable**], then press <(SET)>.
- Highlight details are improved. The dynamic range is expanded from the standard 18% gray to bright highlights. The gradation between the grays and highlights becomes smoother.

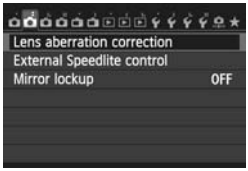
3 Take the picture.

- The image will be recorded with highlight tone priority applied.

MENU Lens Peripheral Illumination / Chromatic Aberration Correction

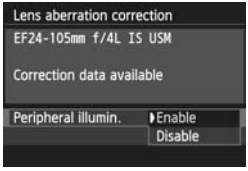
Peripheral light fall-off is a phenomenon that makes the image corners look darker due to the lens characteristics. Color fringing along subject outlines is called chromatic aberration. Both lens aberrations can be corrected. The default settings are [**Enable**] for both corrections.

Peripheral Illumination Correction



1 Select [Lens aberration correction].

- Under the [**2**] tab, select [**Lens aberration correction**], then press <(SET)>.



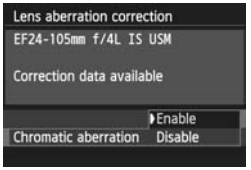
2 Select the setting.

- Check that [**Correction data available**] is displayed for the attached lens.
- Select [**Peripheral illumin.**], then press <(SET)>.
- Select [**Enable**], then press <(SET)>.
- If [**Correction data not available**] is displayed, see "About the Lens Correction Data" on page 94.

3 Take the picture.

- The image will be recorded with the peripheral illumination corrected.

Chromatic Aberration Correction



1 Select the setting.

- Check that [**Correction data available**] is displayed for the attached lens.
- Select [**Chromatic aberration**], then press <(SET)>.
- Select [**Enable**], then press <(SET)>.
- If [**Correction data not available**] is displayed, see “About the Lens Correction Data” below.

2 Take the picture.

- The image will be recorded with the chromatic aberration corrected.

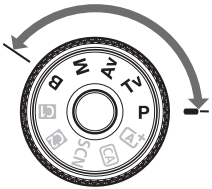
About the Lens Correction Data

The camera already contains lens peripheral illumination correction data and chromatic aberration correction data for approx. 25 lenses. If you select [**Enable**], the peripheral illumination correction and chromatic aberration correction will be applied automatically for any lens whose correction data is registered in the camera.

With EOS Utility (provided software), you can check which lenses have their correction data registered in the camera. You can also register the correction data for unregistered lenses. For details, refer to the Software Instruction Manual (CD-ROM) for EOS Utility Instruction Manual (p.135).

5

Advanced Operations



In Creative Zone modes, you can set the shutter speed and/or aperture to set the exposure as desired. By changing the camera settings, you can obtain various results.

- The ☆ icon at the upper right of the page title indicates that the function is available only in Creative Zone modes (**P**/**Tv**/**Av**/**M**/**B**).
- After you press the shutter button halfway and let go, the exposure values will remain displayed in the viewfinder and on the LCD panel for 4 sec. (⏱4).

Set the <LOCK▶> switch to the left.

P: Program AE

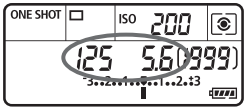
The camera automatically sets the shutter speed and aperture to suit the subject's brightness. This is called Program AE.

* <**P**> stands for Program.
* AE stands for Auto Exposure.

1 Set the Mode Dial to <P>.

2 Focus the subject.

- Look through the viewfinder and aim the selected AF point over the subject. Then press the shutter button halfway.
- ▶ The AF point which achieves focus flashes in red, and the focus confirmation light <●> in the viewfinder's bottom right lights up (when in One-Shot AF mode).
- ▶ The shutter speed and aperture will be set automatically and displayed in the viewfinder and on the LCD panel.



3 Check the display.

- A standard exposure will be obtained as long as the shutter speed and aperture display do not blink.

4 Take the picture.

- Compose the shot and press the shutter button completely.

Tv: Shutter-Priority AE

In this mode, you set the shutter speed and the camera automatically sets the aperture to obtain the standard exposure suiting the brightness of the subject. This is called shutter-priority AE. A faster shutter speed can freeze the action or a moving subject. A slower shutter speed can create a blurred effect, giving the impression of motion.

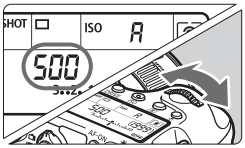
* <Tv> stands for Time value.

Blurred motion
(Slow shutter speed: 1/30 sec.)

Frozen action
(Fast shutter speed: 1/2000 sec.)

---

1 Set the Mode Dial to <Tv>.



2 Set the desired shutter speed.

- While looking at the LCD panel, turn the <dial> dial.

3 Focus the subject.

- Press the shutter button halfway.
- ▶ The aperture is set automatically.

4 Check the viewfinder display and shoot.

- As long as the aperture is not blinking, a standard exposure will be obtained.

Av: Aperture-Priority AE

In this mode, you set the desired aperture and the camera sets the shutter speed automatically to obtain the standard exposure suiting the subject brightness. This is called aperture-priority AE. A higher f/number (smaller aperture hole) will make more of the foreground and background fall within acceptable focus. On the other hand, a lower f/number (larger aperture hole) will make less of the foreground and background fall within acceptable focus.

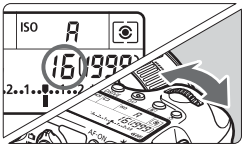
* <**Av**> stands for Aperture value (aperture opening).

Blurred background
(With a low aperture f/number: f/5.6)

Sharp foreground and background
(With a high aperture f/number: f/32)

---

1 Set the Mode Dial to <Av>.



2 Set the desired aperture.

- While looking at the LCD panel, turn the <☆> dial.

3 Focus the subject.

- Press the shutter button halfway.
- ▶ The shutter speed is set automatically.

4 Check the viewfinder display and shoot.

- As long as the shutter speed is not blinking, a standard exposure will be obtained.

M: Manual Exposure

In this mode, you set both the shutter speed and aperture as desired. To determine the exposure, refer to the exposure level indicator in the viewfinder or use a commercially-available exposure meter. This method is called manual exposure.

* <**M**> stands for Manual.

1 Set the Mode Dial to <M>.

2 Set the ISO speed (p.86).

3 Set the shutter speed and aperture.

- To set the shutter speed, turn the <dial> dial.
- To set the aperture, turn the <dial> dial.
- If it cannot be set, set the <LOCK▶> switch to the left, then turn the <dial> or <dial> dial.

4 Focus the subject.

- Press the shutter button halfway.
- ▶ The exposure setting will be displayed in the viewfinder and on the LCD panel.
- The exposure level mark <▮> indicates how far the current exposure level is from the standard exposure level.

5 Set the exposure and take the picture.

- Check the exposure level indicator and set the desired shutter speed and aperture.
- If the exposure level exceeds ±3 stops, the end of the exposure level indicator will display <◀> or <▶>.

Setting Exposure Compensation ☆

Exposure compensation can brighten (increased exposure) or darken (decreased exposure) the standard exposure set by the camera. Exposure compensation can be set in the **P**/**Tv**/**Av** shooting modes. Although you can set the exposure compensation up to ±5 stops in 1/3-stop increments, the exposure compensation indicator in the viewfinder and on the LCD panel can only display the setting up to ±3 stops. If you want to set the exposure compensation setting beyond ±3 stops, you should use the Quick Control (p.45) or follow the instructions for [**3: Expo.comp./AEB**].

1 Check the exposure level indicator.

- Press the shutter button halfway (⏱4) and check the exposure level indicator.

Increased exposure for a brighter image

2 Set the exposure compensation amount.

- While looking at the viewfinder or LCD panel, turn the <◯> dial.
- If it cannot be set, set the <LOCK▶> switch to the left, then turn the <◯> dial.

Decreased exposure for a darker image

3 Take the picture.

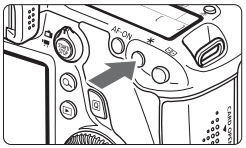
- To cancel the exposure compensation, set the exposure compensation amount back to <!>.

✳ AE Lock ☆

Use AE lock when the area of focus is to be different from the exposure metering area or when you want to take multiple shots at the same exposure setting. Press the <✳> button to lock the exposure, then recompose and take the shot. This is called AE lock. It is effective for backlit subjects.

1 Focus the subject.

- Press the shutter button halfway.
- ▶ The exposure setting will be displayed.



2 Press the <✳> button. (⏱4)

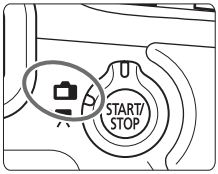
- ▶ The <✳> icon lights up in the viewfinder to indicate that the exposure setting is locked (AE lock).
- Each time you press the <✳> button, the current autoexposure setting is locked.

3 Recompose and take the picture.

- If you want to maintain the AE lock while taking more shots, hold down the <✳> button and press the shutter button to take another shot.

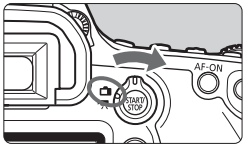
6

Shooting with the LCD Monitor (Live View Shooting)

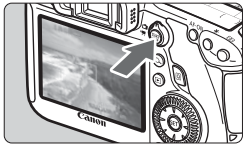


You can shoot while viewing the picture on the camera's LCD monitor. This is called "Live View shooting".
Live View shooting is enabled by setting the Live View shooting/ Movie shooting switch to <📷>.

Shooting with the LCD Monitor



1 Set the Live View shooting/Movie shooting switch to <📷>.

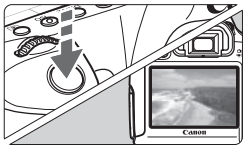


2 Display the Live View image.

- Press the <START/STOP> button.
- ▶ The Live View image will appear on the LCD monitor.
- The Live View image will closely reflect the brightness level of the actual image you capture.

3 Focus the subject.

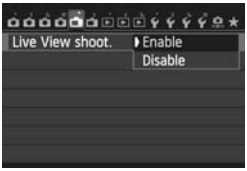
- When you press the shutter button halfway, the camera will focus with the current AF method (p.106).



4 Take the picture.

- Press the shutter button completely.
- ▶ The picture will be taken and the captured image is displayed on the LCD monitor.
- ▶ After the image review ends, the camera will return to Live View shooting automatically.
- Press the <START/STOP> button to exit Live View shooting.

Enabling Live View Shooting



Set [**1: Live View shoot.**] to [**Enable**].

Number of Possible Shots with Live View Shooting

[Approx. number of shots]

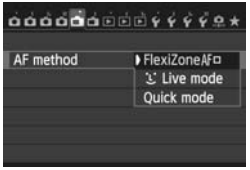
Temperature	Room Temperature (23°C / 73°F)	Low Temperature (0°C / 32°F)
Possible shots	220	190

- The figures above are based on a fully-charged Battery Pack LP-E6 and CIPA (Camera & Imaging Products Association) testing standards.
- With a fully-charged Battery Pack LP-E6, continuous Live View shooting is possible for approx. 1 hr. 45 min. at room temperature (23°C / 73°F).

Using AF to Focus (AF Method)

Selecting the AF Method

The AF methods available are [**FlexiZoneAF□** (Single)], [**Live mode**] (face detection, p.107), and [**Quick mode**] (p.109).
If you want to achieve precise focus, set the lens focus mode switch to <**MF**>, magnify the image, and focus manually (p.111).



Select the AF method.

- Under the [**1**] tab, select [**AF method**].
- While the Live View image is displayed, you can also press the <AF> button to select the AF method on the setting screen.

FlexiZone - Single: AF □

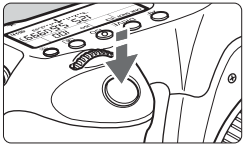
The image sensor is used to focus. Although AF is possible with the Live View image displayed, **the AF operation will take longer than with the Quick mode.** Also, achieving focus may be more difficult than with the Quick mode.

1 Display the Live View image.

- Press the <START/STOP> button.
- ▶ The Live View image will appear on the LCD monitor.
- ▶ The AF point <□> will appear.

2 Move the AF point.

- You can use <✣> to move the AF point to where you want to focus. (It cannot go to the edges of the picture.)
- To return the AF point to the center, press the <SET> or <🗑> button.



3 Focus the subject.

- Aim the AF point over the subject and press the shutter button halfway.
- ▶ When focus is achieved, the AF point will turn green and the beeper will sound.
- ▶ If focus is not achieved, the AF point will turn orange.

4 Take the picture.

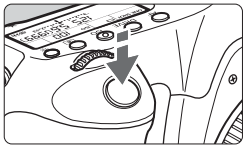
- Check the focus and exposure, then press the shutter button completely to take the picture (p.104).

(Face detection) Live mode: AF

This is the same AF method as with FlexiZone - Single. It detects the human face and focuses. Have the target person face the camera.

1 Display the Live View image.

- Press the <START/STOP> button.
- ▶ The Live View image will appear on the LCD monitor.
- When a face is detected, the <[ ]> frame will appear over the face to be focused.
- If multiple faces are detected, <[ ]> will be displayed. Use <◆> to move the <[ ]> frame over the target face.



2 Focus the subject.

- Press the shutter button halfway and the camera will focus the face covered by the <[ ]> frame.
- ▶ When focus is achieved, the AF point will turn green and the beeper will sound.
- ▶ If focus is not achieved, the AF point will turn orange.
- If a face cannot be detected, the AF point <□> will be displayed and AF will be executed at the center.

3 Take the picture.

- Check the focus and exposure, then press the shutter button completely to take the picture (p.104).

Quick Mode: AF Quick

The dedicated AF sensor is used to focus in One-Shot AF mode, using the same AF method as with viewfinder shooting.
Although you can focus the target area quickly, **the Live View image will be interrupted momentarily during the AF operation.**
You can use eleven AF points to focus (automatically selected). You can also select one AF point to focus and focus only the area covered by that AF point (manually selected). In Basic Zone modes, the AF point will be selected automatically. You cannot select the AF point.

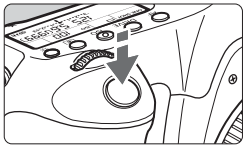
AF point

1 Display the Live View image.

- Press the <START/STOP> button.
- ▶ The Live View image will appear on the LCD monitor.
- The small boxes are the AF points.

2 Select the AF point. ☆

- Press the <⊞> button.
- You can either use <✣> or turn the <◌> or <◎> dial to select an AF point.
- Press <(SET)> to toggle between the center AF point and automatic selection.



3 Focus the subject.

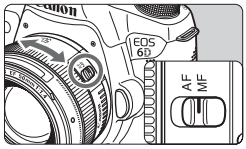
- Aim the AF point over the subject and press the shutter button halfway.
- ▶ The Live View image will turn off, the reflex mirror will go back down, and AF will be executed. (No picture is taken.)
- ▶ When focus is achieved, the beeper will sound and the Live View image will reappear.
- ▶ The AF point used to focus will light up in green.
- ▶ If focus is not achieved, the AF point will blink in orange.

4 Take the picture.

- Check the focus and exposure, then press the shutter button completely to take the picture (p.104).

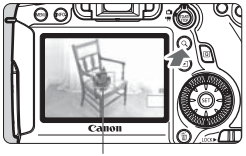
Focusing Manually

You can magnify the image and focus precisely with manual focus.



1 Set the lens focus mode switch to <MF>.

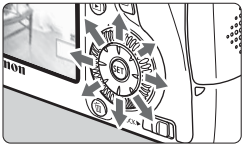
- Turn the lens focusing ring to focus roughly.



Magnifying frame

2 Display the magnifying frame.

- Press the <Q> button.



3 Move the magnifying frame.

- Press <✣> to move the magnifying frame to the position where you want to focus.
- To return the magnifying frame to the center, press <(SET)> or the <🗑> button.

AE lock

Magnified area position

Magnification

4 Magnify the image.

- Each time you press the <Q> button, the magnification within the frame will change as follows:

→ 5x → 10x → Normal view → 1x →

5 **Focus manually.**

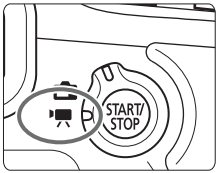
- While looking at the magnified image, turn the lens focusing ring to focus.
- After achieving focus, press the <Q> button to return to the normal view.

6 **Take the picture.**

- Check the focus and exposure, then press the shutter button completely to take the picture (p.104).

7

Shooting Movies



Movie shooting is enabled by setting the Live View shooting/ Movie shooting switch to <🎥>. The movie recording format will be MOV.

- For cards which can record movies, see page 3.

Under the [**3**] tab, if you set [**Wi-Fi**] to [**Enable**], you cannot shoot movies. Before shooting movies, set [**Wi-Fi**] to [**Disable**].

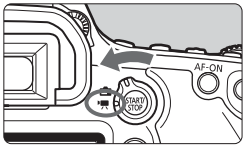
Shooting Movies

Autoexposure Shooting

When the shooting mode is set to other than <**M**>, autoexposure control will take effect to suit the scene's current brightness.

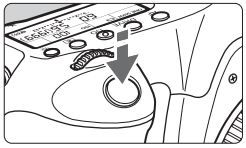
1 Set the shooting mode.

- Set the Mode Dial to any shooting mode except <**M**>.



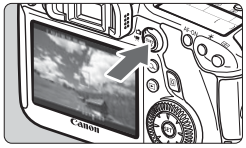
2 Set the Live View shooting/Movie shooting switch to <🎥>.

- ▶ The reflex mirror will make a sound, then the image will appear on the LCD monitor.



3 Focus the subject.

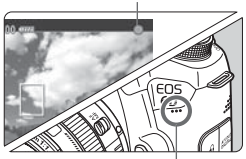
- Before shooting a movie, focus with AF or manual focus (p.106-112).
- When you press the shutter button halfway, the camera will focus with the current AF method.



4 Shoot the movie.

- Press the <START/STOP> button to start shooting a movie.
- ▶ While the movie is being shot, the "●" mark will be displayed on the upper right of the screen.
- To stop shooting the movie, press the <START/STOP> button again.

Recording movie



Microphone

Manual Exposure Shooting

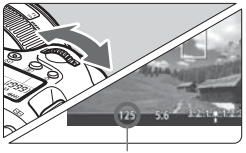
You can manually set the shutter speed, aperture, and ISO speed for movie shooting. Using manual exposure to shoot movies is for advanced users.

1 Set the Mode Dial to <M>.

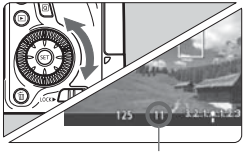
2 Set the Live View shooting/Movie shooting switch to <🎥>.

3 Set the ISO speed.

- Press the <ISO> button.
- ▶ The ISO speed setting screen will appear on the LCD monitor.
- Turn the <☆> dial to set the ISO speed.



Shutter speed



Aperture

4 Set the shutter speed and aperture.

- Press the shutter button halfway and check the exposure level indicator.
- To set the shutter speed, turn the <☆> dial. The settable shutter speeds depend on the frame rate <✱>.
  - • 60 50 24 : 1/4000 sec. - 1/30 sec.
  - • 60 50 : 1/4000 sec. - 1/60 sec.
- To set the aperture, turn the <◯> dial.
- If it cannot be set, set the <LOCK▶> switch to the left, then turn the <☆> or <◯> dial.

5 Focus and shoot the movie.

- The procedure is the same as steps 3 and 4 for “Autoexposure Shooting” (p.114).

MENU Setting the Movie-Recording Size

With [**2: Movie rec. size**], you can set the movie's image size, frame rate per second, and compression method. The frame rate switches automatically depending on the [**3: Video system**] setting.

- **Image size**
  - [**1920x1080**] : Full High-Definition (Full HD) recording quality. The aspect ratio will be 16:9.
  - [**1280x720**] : High-Definition (HD) recording quality. The aspect ratio will be 16:9.
  - [**640x480**] : Standard-definition recording quality. The aspect ratio will be 4:3.
- **Frame rate** (fps: frames per second)
  - 30/60 : For areas where the TV format is NTSC (North America, Japan, Korea, Mexico, etc.).
  - 25/50 : For areas where the TV format is PAL (Europe, Russia, China, Australia, etc.).
  - 24 : Mainly for motion pictures.
- **Compression method**
  - IPB : Compresses multiple frames at a time efficiently for recording. Since the file size will be smaller than with ALL-I, you can shoot longer.
  - ALL-I (I-only) : Compresses one frame at a time for recording. Although the file size will be bigger than with IPB, the movie will be more suited for editing.

Total Movie Recording Time and File Size Per Minute

Movie-Recording Size			Total Recording Time (approx.)			File Size (approx.)
			4 GB Card	8 GB Card	16 GB Card	
1920	30 25 24	IPB	16 min.	32 min.	1 hr. 4 min.	235 MB/min.
	30 25 24	ALL-I	5 min.	11 min.	22 min.	685 MB/min.
1280	60 50	IPB	18 min.	37 min.	1 hr. 14 min.	205 MB/min.
	60 50	ALL-I	6 min.	12 min.	25 min.	610 MB/min.
640	30 25	IPB	48 min.	1 hr. 37 min.	3 hr. 14 min.	78 MB/min.

- **About Movie Files Exceeding 4 GB**
  Even if you shoot a movie exceeding 4 GB, you can keep shooting without interruption.
  During movie shooting, approx. 30 sec. before the movie reaches the 4 GB file size, the elapsed shooting time or time code displayed in the movie-shooting image will start blinking. If you keep shooting until the movie file size exceeds 4 GB, a new movie file will be created automatically and the elapsed shooting time or time code will stop blinking.
  When you play back the movie, you will have to play each movie file individually. Movie files cannot play back consecutively automatically. After the movie playback ends, select the next movie to be played.
- **Movie Shooting Time Limit**
  The maximum recording time of one movie clip is 29 min. 59 sec. If the movie shooting time reaches 29 min. 59 sec., the movie shooting will stop automatically. You can start shooting a movie again by pressing the <START/STOP> button. (A new movie file starts being recorded.)

8

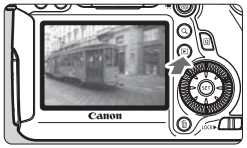
Image Playback

This chapter explains basic procedures to play back images and movies.

About images shot and saved with another device
The camera may not be able to properly display images captured with a different camera, edited with a computer, or had their file names changed.

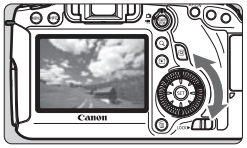
▶ Image Playback

Single-Image Display



1 Play back the image.

- Press the <▶> button.
- ▶ The last captured image or last image viewed will appear.

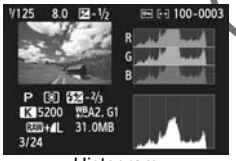


2 Select an image.

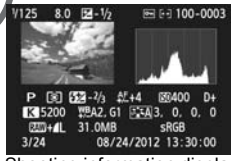
- To play back images starting with the last image, turn the <◯> dial counterclockwise. To play back images starting with the first captured image, turn the dial clockwise.
- Each time you press the <**INFO.**> button, the display format will change.

No information

With basic information



Histogram



Shooting information display

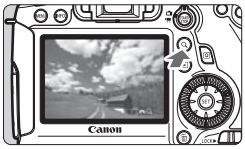
3 Exit the image playback.

- Press the <▶> button to exit the image playback and return to shooting-ready state.

Searching for Images Quickly

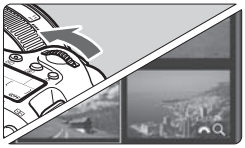
Display Multiple Images on One Screen (Index Display)

Search for images quickly with the index display showing four or nine images on one screen.



1 Press the <Q> button.

- Press the <Q> button during image playback.
- ▶ [Q] will be displayed on the lower right of the screen.



2 Switch to the index display.

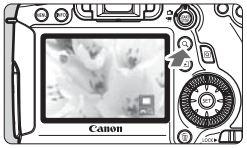
- Turn the <> dial counterclockwise.
- ▶ The 4-image index display will appear. The selected image is highlighted in a orange frame.
- If you turn the <> dial further to the left, the 9-image index display will appear. If you turn the <> dial to the right, the index display will change as follows: 9-image, 4-image, and single-image display.

3 Select an image or movie.

- Turn the <> dial to move the orange frame and select the image. You can also select it with the <▲▼> or <◀▶> key.
- Press the <Q> button to turn off the [Q] icon, then turn the <> dial to go to the next or preceding screen.
- Press <(SET)> in the index display, and the selected image will be displayed as a single image.

Magnified View

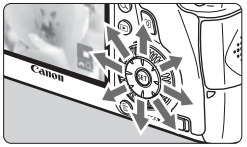
You can magnify a captured image by approx. 1.5x to 10x on the LCD monitor.



Magnified area position

1 Magnify the image.

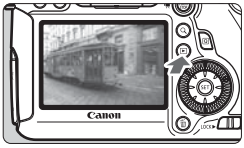
- The image can be magnified during image playback (single-image display), during image review after image capture, and from shooting-ready state.
- Press the <Q> button.
- ▶ The magnified view will appear. The magnified area and [Q] will be displayed on the lower right of the screen.
- The image magnification increases as you turn the <dial> dial clockwise. You can magnify the image up to approx. 10x.
- The image magnification decreases as you turn the <dial> dial counterclockwise. Turning the dial further will display the index display (p.121).



2 Scroll around the image.

- Use <multi-controller> to scroll around the magnified image.
- To exit the magnified display, press the <Q> button or <▶> button and the single-image display will reappear.

Playing Movies



1 Play back the image.

- Press the <▶> button to display images.

2 Select a movie.

- Turn the <◯> dial to select the movie to be played.
- On the single-image display, the <SET> icon displayed on the upper left indicates a movie. If the movie is a video snapshot, <SET> will be displayed.
- You can press the <INFO.> button to switch to the shooting information display.
- In the index display, perforations at the left edge of a thumbnail indicate a movie. **As movies cannot be played on the index display, press <(SET)> to switch to the single-image display.**

3 In the single-image display, press <(SET)>.

▶ The movie playback panel will appear at the bottom of the screen.

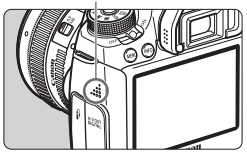
4 Play back the movie.

- Select [▶] (Play), then press <(SET)>.

▶ The movie will start playing.

- You can pause the movie playback by pressing <(SET)>.
- You can adjust the sound volume by turning the <◯> dial even during movie playback.
- For more details on the playback procedure, see the next page.

Speaker



Movie Playback Panel

Operation	Playback Description
▶ **Play**	Pressing <(SET)> toggles between play and stop.
Slow motion	Adjust the slow motion speed by pressing the <◀▶> key. The slow-motion speed is indicated at the upper right of the screen.
First frame	Displays the movie's first frame.
Previous frame	Each time you press <(SET)>, the previous frame is displayed. If you hold down <(SET)>, it will rewind the movie.
Next frame	Each time you press <(SET)>, the movie will play frame-by-frame. If you hold down <(SET)>, it will fast forward the movie.
Last frame	Displays the movie's last frame.
Background music*	Play back a movie with the selected background music.
Edit	Displays the editing screen.
	Playback position
mm' ss"	Playback time (minutes:seconds with [**Movie play count: Rec time**] set)
hh:mm:ss:ff	Time code (hours:minutes:seconds:frames with [**Movie play count: Time code**] set)
Volume	You can adjust the built-in speaker's (p.123) volume by turning the <> dial.
MENU ↩	Pressing the <MENU> button returns to the single-image display.

* When background music is set, the movie's sound will not be played.

Erasing Images

You can either select and erase images one by one or erase them in one batch. Protected images will not be erased.

Once an image is erased, it cannot be recovered. Make sure you no longer need the image before erasing it. To prevent important images from being erased accidentally, protect them. Erasing a RAW+JPEG image will erase both the RAW and JPEG images.

Erasing a Single Image

1 Play back the image to be erased.

2 Press the <🗑> button.

- The Erase menu will appear at the bottom of the screen.

3 Erase the image.

- Select [**Erase**], then press <(SET)>. The image displayed will be erased.

9

Viewing the CD-ROM Instruction Manuals / Downloading Images to Your Computer

This chapter explains how to install the Camera Instruction Manual (on the CD-ROM provided) to your computer, download images from the camera to your computer, gives an overview of the software in the EOS DIGITAL Solution Disk (CD-ROM), and explains how to install the software on your computer. It also explains how to view the PDF files on the Software Instruction Manual CD-ROM.

Camera Instruction Manual

EOS DIGITAL Solution Disk
(Software)

Software Instruction Manual

Viewing the Camera Instruction Manual CD-ROM

The Camera Instruction Manual CD-ROM contains the following electronic manuals (PDF):

- **Camera Instruction Manual**
  Explains all the camera functions and procedures, including basic content (this booklet).
- **Wi-Fi Function Instruction Manual**
  Explains all the Wi-Fi functions and procedures, including basic content.

Viewing the Camera Instruction Manual on the CD-ROM

To view the instruction manuals (PDF files), Adobe Reader 6.0 or higher must be installed in your computer. Adobe Reader can be downloaded free from the Internet. After installing Adobe Reader, follow the procedure below.

1 Insert the "CAMERA INSTRUCTION MANUAL" CD-ROM into your computer.

2 Double-click the CD-ROM icon.

- For Windows, the icon is displayed in [**(My) Computer**].
- For Macintosh, the icon is displayed on the desktop.
- The icon displayed will differ depending on your computer's operating system.

3 Double-click the START file.

- ▶ The screen shown in step 4 will appear.
- The icon displayed will differ depending on your computer's operating system.

4 Click on the manual you want to view.

- Click on the name of the manual under your respective language.

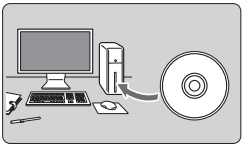
- ▶ The instruction manual in your language will be displayed.

- You can save the PDF file to your computer.
- All the instruction manuals (PDF files) have page links to make it quick to find the desired page. Click on a page number in the Table of Contents or Index and that page will appear.
- To learn how to use Adobe Reader, see Adobe Reader's Help section.

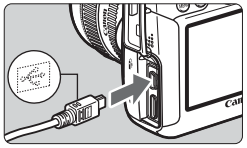
Downloading Images to a Computer

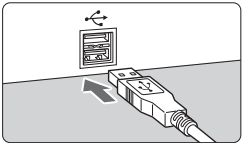
You can use the provided software to download the images in the camera to your computer. There are two ways to do this.

Download by Connecting the Camera to the Computer



1 Install the software (p.134).





2 Use the provided interface cable to connect the camera to your computer.

- Use the interface cable provided with the camera.
- Connect the cable to the camera's <DIGITAL> terminal with the cable plug's <⇐> icon facing the front of the camera.
- Connect the cord's plug to the computer's USB terminal.

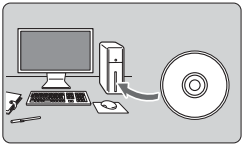
3 Use EOS Utility to download the images/movies.

- For details, refer to the Software Instruction Manual on the CD-ROM (p.135).

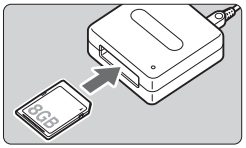
Under the [**3**] tab, if [**Wi-Fi**] is set to [**Enable**], the camera cannot connect to a computer. Set [**Wi-Fi**] to [**Disable**], then connect the interface cable.

Downloading Images with a Card Reader

If you have a commercially-available card reader, you can use it to download images to your computer.



1 Install the software (p.134)**.**



2 Insert the card into the card reader.

3 Use Canon software to download the images/movies.

- ▶ **Use Digital Photo Professional.**
- ▶ **Use ImageBrowser EX.**
- ● For details, refer to the Software Instruction Manual on the CD-ROM (p.135).

When downloading images from the camera to your computer, with a card reader without using Canon software, copy the DCIM folder on the card to your computer.

About the Software

EOS DIGITAL Solution Disk

This disk contains various software for EOS DIGITAL cameras.

EOS Utility

With the camera connected to a computer, EOS Utility enables you to transfer still photos and movies shot with the camera to the computer. You can also use this software to set various camera settings and shoot remotely with the computer connected to the camera. Also, you can copy background music tracks, such as EOS Sample Music*, to the card.

* Five original background music tracks are provided by Canon. Use EOS Utility to copy the background music tracks to the card, and you can play the background music during playback of video snapshot albums, movies, and slide shows with the camera.

Digital Photo Professional

This software is recommended for users who mainly shoot RAW images. You can view, edit, process, and print RAW images at high speed. You can also edit JPEG images while retaining the original images.

ImageBrowser EX

This software is recommended for users who mainly shoot JPEG images. You can easily view and play photos, movies, and video snapshot albums and also print JPEG images. Add-on features such as EOS Video Snapshot Task can also be downloaded from the Internet.

Note that the software ZoomBrowser EX/ImageBrowser provided with previous cameras does not support still photos and movie files shot with this camera (it is not compatible). Use ImageBrowser EX provided with this camera.

Picture Style Editor

You can edit Picture Styles and create and save original Picture Style files. This software is aimed at advanced users who are experienced in processing images.

Map Utility

With the GPS position information, you can display where the picture was taken on a map on your computer. **To install Map Utility, an Internet connection is required.** Access the Internet, insert EOS DIGITAL Solution Disk into your computer, then click [**Easy Installation**] ([**Install**] for Macintosh). The software will be installed automatically.

Installing the Software

- Do not connect the camera to your computer before you install the software. The software will not be installed correctly.
- Even if your computer already has ImageBrowser EX installed, install ImageBrowser EX included on the CD-ROM that came with this camera. It is the latest version with features optimized for your camera. You can also use the auto update feature to add the latest functions.
- Even if a previous version of the software is installed or if you have different software, install the software by following the steps below. (The newer version will overwrite the previous version.)

1 Insert EOS DIGITAL Solution Disk (CD-ROM).

- For Macintosh, double-click to open the CD-ROM icon displayed on the desktop, then double-click on [**Canon EOS Digital Installer**].

2 Click [Easy Installation] and follow the on-screen instructions to install.

- For Macintosh, click [**Install**].
- If install screen for “Microsoft Silverlight” is displayed during installation, install “Microsoft Silverlight”.

3 Click [Restart] and remove the CD-ROM after the computer restarts.

- When the computer has restarted, the installation is complete.

Software Instruction Manual

Contains the Software Instruction Manuals.

Copying and Viewing the Instruction Manual PDFs

1 Insert the [Software INSTRUCTION MANUAL] CD-ROM into your computer.

2 Double-click the CD-ROM icon.

- For Windows, the icon is displayed in [**(My) Computer**].
- For Macintosh, the icon is displayed on the desktop.

3 Copy the [English] folder to your computer.

- Instruction Manual PDFs with the names below are copied.

	Windows	Macintosh
EOS Utility	EUx.xW_E_xx	EUx.xM_E_xx
Digital Photo Professional	DPPx.xW_E_xx	DPPx.xM_E_xx
ImageBrowser EX	IBXx.x_E_xx	
Picture Style Editor	PSEx.xW_E_xx	PSEx.xM_E_xx
Map Utility	MUx.x_E_xx	

4 Double-click the copied PDF file.

- Adobe Reader (most recent version recommended) must be installed on your computer.
- Adobe Reader can be downloaded free from the Internet.

Trademarks

- Adobe is a trademark of Adobe Systems Incorporated.
- Windows is a trademark or registered trademark of Microsoft Corporation in the United States and other countries.
- Macintosh and Mac OS are trademarks or registered trademarks of Apple Inc. in the United States and other countries.
- SDXC logo is a trademark of SD-3C, LLC.
- HDMI, HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.
- All other corporate and product names and trademarks mentioned in this manual are the property of their respective owners.

About MPEG-4 Licensing

"This product is licensed under AT&T patents for the MPEG-4 standard and may be used for encoding MPEG-4 compliant video and/or decoding MPEG-4 compliant video that was encoded only (1) for a personal and non-commercial purpose or (2) by a video provider licensed under the AT&T patents to provide MPEG-4 compliant video. No license is granted or implied for any other use for MPEG-4 standard."

* Notice displayed in English as required.

Certification Logo

Under the [**4**] tab, if you select [**Certification Logo Display**] and press <(SET)>, some of the logos of the camera's certifications will appear. Other certification logos can be found in this Instruction Manual, on the camera body, and on the camera's package.

Use of genuine Canon accessories is recommended

This product is designed to achieve excellent performance when used with genuine Canon accessories.
Canon shall not be liable for any damage to this product and/or accidents such as fire, etc., caused by the malfunction of non-genuine Canon accessories (e.g., a leakage and/or explosion of a battery pack). Please note that this warranty does not apply to repairs arising out of the malfunction of non-genuine Canon accessories, although you may request such repairs on a chargeable basis.

Battery Pack LP-E6 is dedicated to Canon products only. Using it with an incompatible battery charger or product may result in malfunction or accidents for which Canon cannot be held liable.

Safety Warnings

Follow these safeguards and use the equipment properly to prevent injury, death, and material damage.

Preventing Serious Injury or Death

- To prevent fire, excessive heat, chemical leakage, and explosions, follow the safeguards below:
  - Do not use any batteries, power sources, and accessories not specified in this booklet. Do not use any home-made or modified batteries.
  - Do not short-circuit, disassemble, or modify the battery pack or back-up battery. Do not apply heat or apply solder to the battery pack or back-up battery. Do not expose the battery pack or back-up battery to fire or water. And do not subject the battery pack or back-up battery to strong physical shock.
  - Do not install the battery pack or back-up battery in reversed polarity (+ –). Do not mix new and old or different types of batteries.
  - Do not recharge the battery pack outside the allowable ambient temperature range of 0°C - 40°C (32°F - 104°F). Also, do not exceed the recharging time.
  - Do not insert any foreign metallic objects into the electrical contacts of the camera, accessories, connecting cables, etc.
- Keep the back-up battery away from children. If a child swallows the battery, consult a physician immediately. (Battery chemicals may harm the stomach and intestines.)
- When disposing of a battery pack or back-up battery, insulate the electrical contacts with tape to prevent contact with other metallic objects or batteries. This is to prevent fire or an explosion.
- If excessive heat, smoke, or fumes are emitted during battery pack recharging, immediately unplug the battery charger from the power outlet to stop the recharging and prevent a fire.
- If the battery pack or back-up battery leaks, changes color, deforms, or emits smoke or fumes, remove it immediately. Be careful not to get burned in the process.
- Prevent any battery leakage from contacting your eyes, skin, and clothing. It can cause blindness or skin problems. If the battery leakage contacts your eyes, skin, or clothing, flush the affected area with lots of clean water without rubbing it. See a physician immediately.
- During the recharging, keep the equipment away from the reach of children. The cord can accidentally choke the child or give an electrical shock.
- Do not leave any cords near a heat source. It can deform the cord or melt the insulation and cause a fire or electrical shock.
- Do not fire the flash at someone driving a car. It may cause an accident.
- Do not fire the flash near a person’s eyes. It may impair the person’s vision. When using flash to photograph an infant, keep at least 1 meter away.
- Before storing the camera or accessory when not in use, remove the battery pack and disconnect the power plug. This is to prevent electrical shock, heat generation, and fire.
- Do not use the equipment where there is flammable gas. This is to prevent an explosion or fire.

- If you drop the equipment and the casing breaks open to expose the internal parts, do not touch the internal parts due to the possibility of electrical shock.
- Do not disassemble or modify the equipment. High-voltage internal parts can cause electrical shock.
- Do not look at the sun or an extremely bright light source through the camera or lens. Doing so may damage your vision.
- Keep the camera from the reach of small children. The neck strap can accidentally choke the child.
- Do not store the equipment in dusty or humid places. This is to prevent fire and electrical shock.
- Before using the camera inside an airplane or hospital, check if it is allowed. Electromagnetic waves emitted by the camera may interfere with the plane's instruments or the hospital's medical equipment.
- To prevent fire and electrical shock, follow the safeguards below:
  - Always insert the power plug all the way in.
  - Do not handle a power plug with wet hands.
  - When unplugging a power plug, grasp and pull the plug instead of the cord.
  - Do not scratch, cut, or excessively bend the cord or put a heavy object on the cord. Also do not twist or tie the cords.
  - Do not connect too many power plugs to the same power outlet.
  - Do not use a cord whose insulation has been damaged.
- Occasionally unplug the power plug and use a dry cloth to clean off the dust around the power outlet. If the surrounding is dusty, humid, or oily, the dust on the power outlet may become moist and short-circuit the outlet to cause a fire.

Preventing Injury or Equipment Damage

- Do not leave equipment inside a car under the hot sun or near a heat source. The equipment may become hot and cause skin burns.
- Do not carry the camera around while it is attached to a tripod. Doing so may cause injury. Also make sure the tripod is sturdy enough to support the camera and lens.
- Do not leave a lens or lens-attached camera under the sun without the lens cap attached. Otherwise, the lens may concentrate the sun's rays and cause a fire.
- Do not cover or wrap the battery-recharging apparatus with a cloth. Doing so may trap heat within and cause the casing to deform or catch fire.
- If you drop the camera in water or if water or metal fragments enter inside the camera, promptly remove the battery pack and back-up battery. This is to prevent fire and electrical shock.
- Do not use or leave the battery pack or back-up battery in a hot environment. Doing so may cause battery leakage or a shorter battery life. The battery pack or back-up battery can also become hot and cause skin burns.
- Do not use paint thinner, benzene, or other organic solvents to clean the equipment. Doing so may cause fire or a health hazard.

If the product does not work properly or requires repair, contact your dealer or your nearest Canon Service Center.

Digital Camera Model DS126401 / DS126402 / DS126403 Systems

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for class B digital devices, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

— Reorient or relocate the receiving antenna.
— Increase the separation between the equipment and receiver.
— Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
— Consult the dealer or an experienced radio/TV technician for help.

The cable with the ferrite core provided with the digital camera must be used with this equipment in order to comply with Class B limits in Subpart B of Part 15 of the FCC rules.

Do not make any changes or modifications to the equipment unless otherwise specified in the manual. If such changes or modifications should be made, you could be required to stop operation of the equipment.

Canon U.S.A. Inc.
One Canon Plaza, Lake Success, NY 11042, U.S.A.
Tel No. (516)328-5600

This Class B digital apparatus complies with Canadian ICES-003.

When connecting to and using a household power outlet, use only AC Adapter Kit ACK-E6 (rated input: 100-240 V AC 50/60 Hz, rated output: 8.0 V DC). Using anything else can cause fire, overheating, or electrical shock.

IMPORTANT SAFETY INSTRUCTIONS

1. **SAVE THESE INSTRUCTIONS** — This manual contains important safety and operating instructions for Battery Charger LC-E6 & LC-E6E.
2. Before using the charger, read all instructions and cautionary remarks on (1) the charger, (2) the battery pack, and (3) the product using the battery pack.
3. **CAUTION** — To reduce risk of injury, charge only the Battery Pack LP-E6. Other types of batteries may burst, causing personal injury and other damage.
4. Do not expose the charger to rain or snow.
5. Use of an attachment not recommended or sold by Canon may result in fire, electric shock, or personal injury.
6. To reduce risk of damage to electric plug and cord, pull by plug rather than by cord when disconnecting charger.
7. Make sure cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.
8. Do not operate the charger with damaged cord or plug - replace them immediately.
9. Do not operate the charger if it has received a sharp blow, been dropped, or otherwise damaged in any way; take it to a qualified serviceman.
10. Do not disassemble the charger; take it to a qualified serviceman when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.
11. To reduce risk of electric shock, unplug charger from outlet before attempting any maintenance or cleaning.

MAINTENANCE INSTRUCTION

Unless otherwise stated in this manual, there are no user serviceable parts inside. Refer servicing to qualified serviceman.

USA and Canada only:
The Lithium ion/polymer battery that powers the product is recyclable. Please call 1-800-8-BATTERY for information on how to recycle this battery.

For CA, USA only
Included lithium battery contains Perchlorate Material – special handling may apply.
See www.dtsc.ca.gov/hazardouswaste/perchlorate/ for details.

CAUTION

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING TO LOCAL REGULATION.

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CANON INC. 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo 146-8501, Japan

U.S.A. — **CANON U.S.A. INC.**
http://www.usa.canon.com/eos
http://www.usa.canon.com/support
For all inquires concerning this product, call toll free in the U.S.
1-800-OK-CANON

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CANON CANADA INC. CALGARY OFFICE
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For all inquiries concerning this product, call toll free in Canada
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CANON UK LTD.
Woodhatch Reigate, Surrey RH2 8BF, United Kingdom
CANON DEUTSCHLAND GmbH
Europark Fichtenhain A10, 47807 Krefeld, Germany
CANON ITALIA S.p.A.
Via Milano 8, 20097 San Donato Milanese, (MI), Italy
CANON Schweiz A.G.
Industriestrasse 12, 8305 Dietlikon, Switzerland
Canon GmbH
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CANON KOREA CONSUMER IMAGING INC.
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CANON NEW ZEALAND LTD.
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The lenses and accessories mentioned in this Instruction Manual are current as of September 2012. For information on the camera's compatibility with any lenses and accessories introduced after this date, contact any Canon Service Center.

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